



No. 45

6 NOVEMBER 2004



UNITED STATES OF AMERICA

# NOTICE TO MARINERS



Published Weekly by the  
National Geospatial-Intelligence Agency

Prepared Jointly with the  
National Ocean Service and U.S. Coast Guard

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**Visit the Maritime Safety Information Division website at  
<http://pollux.nss.nga.mil/>**



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## IMPORTANT INFORMATION

The Notice to Mariners is published by the National Geospatial-Intelligence Agency (NGA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NGA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other products produced by the National Geospatial-Intelligence Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Geospatial-Intelligence Agency (NGA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Homeland Security), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NGA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-3370	287-3370	301-227-4211
World Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed directly at (<http://pollux.nss.nga.mil>). For your convenience NGA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nga.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nga.mil, for information concerning the Maritime Safety Information Website, use webmaster\_nss@nga.mil.

Mariners are requested to notify NGA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

**Cover Photo: U.S. Coast Guard Cutter Eagle (WIX-327)** is a three-masted sailing barque serving as a school ship for the United States Coast Guard. Homeported at the Coast Guard Academy in New London, CT, she is the only active (operational) commissioned sailing vessel in the U.S. maritime services. The ship was built at the Blohm & Voss shipyard in Hamburg, Germany and was launched the **Horst Wessel** on 13 June 1936. Originally commissioned as a school ship for the German Reichsmarine, she eventually served as a cargo ship during WWII. Confiscated by the U.S. following the War, she was commissioned into the Coast Guard Service in 1946 as the **Eagle**. She has a sparred length of 295 feet, a beam of 39 feet, and a displacement of 1755 tons. She carries 22 sails (21,244 square feet of sailing area) and can reach a speed of 17 knots under full sail. The **Eagle** has a standing crew of 29 sailors and six officers; on training missions she carries a crew of 38 sailors, 12 officers, and 150 to 175 cadets. Each year she takes two long training cruises to the Caribbean or Europe, and two shorter ones along the U.S. East Coast.

INFORMATION  
OF  
SPECIAL INTEREST  
OR  
IMPORTANCE  
TO  
MARINERS

**NM 45/04**

# HYDROGRAM

**National Geospatial-Intelligence Agency  
Bethesda, MD 20816-5003**

SPECIAL  
ANNOUNCEMENTS  
NEW PRODUCTS  
OR SERVICES  
IMPORTANT  
CHANGES

**6 November 2004**

## **UNITED STATES OF AMERICA NOTICE TO MARINERS CHANGE IN DISTRIBUTION**

THE NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY (NGA) IS TRANSITIONING FROM PRODUCING AND DISTRIBUTING HARD COPY NAUTICAL SAFETY PRODUCTS TO DIGITAL DISSEMINATION. EFFECTIVE WITH U.S. NOTICE TO MARINERS NUMBER 1, 2005, NGA WILL NO LONGER DISTRIBUTE HARD COPY VERSIONS OF THE WEEKLY NOTICE TO MARINERS AND WILL MAKE THEM AVAILABLE FREE OF CHARGE VIA THE INTERNET. SEE SECTION III.

## **NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY**

NOAA RECOGNIZES TWO NAUTICAL CHART PRODUCTS: CHARTS-ON-DEMAND AND TRADITIONAL NOAA/NOS PAPER CHARTS. FOR ADDITIONAL INFORMATION, SEE SECTIONS II AND III.

## EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NGA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NGA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

**Section I-1** contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

★ indicates that it is based upon original U.S. source information.

T indicates that it is temporary in nature.

P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.

The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter N is not a part of the chart number.

The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.

Courses and bearings are given in degrees true.

Light sectors are expressed in degrees true from the vessel TOWARD the light.

The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.

The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.

**Section I-2\*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.

**Section I-3** lists all NGA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

**Section II-1** is a weekly listing of corrections to the NGA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

**Section II-2\*** contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

**Section II-3\*** lists weekly updates to the USCG Light Lists.

**Section II-4\*** lists weekly updates to the NGA List of Lights.

**Section II-5** lists all NGA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

**Section III-1** lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

**Section III-2** contains miscellaneous information of particular interest to the maritime community.

\*The left-hand pages of these sections are intentionally blank.

**SECTION I  
CHART CORRECTIONS**

**NM 45/04**

<b>1115A</b>	Ed. 10/02	LAST NM 44/04	45/04		
Add	Dangerous wreck [K28] (Awash) (PA)		30°03.4'N 88°31.1'W		
	(36/04 CG8)				
<b>1116A</b>	Ed. 6/03	LAST NM 44/04	45/04		
Delete	Dangerous wreck (See 38/04-1116A)		29°11.4'N 92°07.2'W		
	(36/04 CG8)				
<b>11006</b>	31Ed. 9/03	LAST NM 41/04	45/04		
Add	Dangerous wreck [K28] (Awash) (PA)		30°03.4'N 88°31.1'W		
	(36/04 CG8)				
<b>★11332</b>	29Ed. 4/04	LAST NM 43/04	45/04		
Add	Platform [L10]		29°16'27"N 93°47'54"W		
	(36/04 CG8)				
<b>11340</b>	68Ed. 6/03	LAST NM 44/04	45/04		
Delete	Dangerous wreck (See 38/04-11340)		29°11.4'N 92°07.2'W		
	(36/04 CG8)				
<b>11341</b>	40Ed. 3/04	LAST NM 43/04	45/04		
Add	Platform [L10]		29°16'27"N 93°47'54"W		
	(36/04 CG8)				
<b>★11349</b>	41Ed. 3/04	LAST NM 39/04	45/04		
Delete	Dangerous wreck (See 38/04-11349)		29°11'21"N 92°07'09"W		
	(36/04 CG8)				
<b>★11351</b>	38Ed. 3/03	LAST NM 44/04	45/04		
Relocate	Light "37" from 29°23'46"N 91°21'50"W to 29°23'46"N 91°21'48"W				
	Light "47" from 29°26'39"N 91°19'10"W to 29°26'38"N 91°19'09"W				
	Light "48" from 29°26'30"N 91°19'02"W to 29°26'33"N 91°19'04"W				
	Light "7" from 29°30'44"N 91°16'22"W to 29°30'37"N 91°16'16"W				
	Light "23" from 29°32'47"N 91°14'59"W to 29°32'45"N 91°14'56"W				
	Light "31" from 29°34'35"N 91°13'58"W to 29°34'35"N 91°13'54"W				
Add	Light "34" Fl R 4s 17ft 4M Ra ref 29°35'31"N 91°13'59"W Light "38" Fl R 6s 17ft 4M Ra ref 29°37'30"N 91°15'21"W				
	(36/04 CG8)				
<b>11352</b>	37Ed. 12/03	LAST NM 44/04	45/04		
Relocate	Light "7" from 29°30.7'N 91°16.4'W to 29°30.6'N 91°16.3'W				
Add	Light "34" Fl R 4s 17ft 4M Ra ref 29°35.5'N 91°14.0'W Light "38" Fl R 6s 17ft 4M Ra ref 29°37.5'N 91°15.4'W				
	(36/04 CG8)				
<b>11354</b>	24Ed. 4/03	LAST NM 39/04	45/04		
Relocate	Light "37" from 29°23'46"N 91°21'50"W to 29°23'46"N 91°21'48"W				
	Light "47" from 29°26'40"N 91°19'09"W to 29°26'38"N 91°19'09"W				
	Light "48" from 29°26'31"N 91°19'03"W to 29°26'33"N 91°19'04"W				
	Light "7" from 29°30'45"N 91°16'21"W to 29°30'37"N 91°16'16"W				
	Light "31" from 29°34'35"N 91°13'57"W to 29°34'35"N 91°13'54"W				
Add	Light "34" Fl R 4s 17ft 4M Ra ref 29°35'31"N 91°13'59"W Light "38" Fl R 6s 17ft 4M Ra ref 29°37'30"N 91°15'21"W				
	(36/04 CG8)				
<b>11360</b>	40Ed. 10/02	LAST NM 44/04	45/04		
Add	Dangerous wreck [K28] (Awash) (PA)		30°03.4'N 88°31.1'W		
	(36/04 CG8)				
<b>11362</b>	4Ed. 6/10/00	LAST NM N44/04	N45/04		
Add	Dangerous wreck [K28] (Awash) (PA)		30°03.4'N 88°31.1'W		
	(36/04 CG8)				
<b>11366</b>	8Ed. 10/03	LAST NM 44/04	45/04		
Add	Dangerous wreck [K28] (Awash) (PA)		30°03.4'N 88°31.1'W		
	(36/04 CG8)				
<b>★11373</b>	43Ed. 9/03	LAST NM 43/04	45/04		
Add	Dangerous wreck [K28] (Awash) (PA)		30°03'24"N 88°31'06"W		
	(36/04 CG8)				
<b>12352</b>	30Ed. 9/03	LAST NM 35/04	45/04		
Change	(Page A) Visibility (range) of light to 11M		40°50'32"N 72°28'42"W		
	(40/04 CG1)				
<b>★12353</b>	18Ed. 11/03	LAST NM 26/04	45/04		
Change	Visibility (range) of light to 11M		40°50'32"N 72°28'42"W		
	(40/04 CG1)				
<b>12372</b>	32Ed. 10/03	LAST NM 39/04	45/04		
Add	(Page B, Inset 1) Dangerous wreck [K28] (PA)		41°21'43"N 72°05'13"W		
	(40/04 CG1)				
<b>★12313</b>	41Ed. 3/04	LAST NM 39/04	45/04		
Add	Dangerous wreck [K28] (PA)		41°21'43"N 72°05'13"W		
	(40/04 CG1)				
<b>13267</b>	31Ed. 10/03	LAST NM 35/04	45/04		
Change	Buoy to "1A" G, can		42°22'02"N 70°55'03"W		
	(40/04 CG1)				
<b>★13270</b>	60Ed. 9/03	LAST NM 42/04	45/04		
Change	Buoy to "1A" G, can (See 15/04-13270)		42°22'01.8"N 70°55'03.9"W		
	(40/04 CG1)				
<b>13274</b>	25Ed. 9/03	LAST NM 23/04	45/04		
Change	(Side B) Buoy to "1A" G, can (See 15/04-13274)		42°22'02"N 70°55'04"W		
	(40/04 CG1)				
<b>13275</b>	28Ed. 9/03	LAST NM 15/04	45/04		
Change	Buoy to "1A" G, can (See 15/04-13275)		42°22'01.8"N 70°55'03.9"W		
	(40/04 CG1)				
<b>14128</b>	6Ed. 1/28/95	LAST NM 4/04	45/04		
Change	Light to F WRG 18ft 5M (Can LL)		46°13'08"N 60°31'48"W		
<b>14132</b>	2Ed. 1/28/95	LAST NM 12/01	45/04		
Change	Visibility (range) of light to 5M (Can LL)		46°13'08"N 60°31'48"W		
<b>★14848</b>	57Ed. 7/04	NEW EDITION	45/04		
Delete	(Left Panel) Buoy "12"		42°07'44"N 83°10'30"W		
	Buoy "8"		42°08'44"N 83°07'15"W		
	Buoy "24A"		42°10'12"N 83°09'51"W		
	Buoy "24"		42°10'16"N 83°09'51"W		
	Buoy "25A"		42°14'19"N 83°08'01"W		
	Buoy "25"		42°16'01"N 83°06'44"W		
	Buoy "22"		42°19'58"N 83°01'13"W		
	Buoy "7"		42°20'19"N 82°57'14"W		
	(Previously published 43/04)				
Delete	(Right Panel) Buoy "12"		42°07'44"N 83°10'30"W		
	Buoy "9"		42°02'59"N 83°08'16"W		
	(Previously published 43/04)				
	(NOS)				

★14970	26Ed. 8/04	NEW EDITION	45/04		
	(NOS)				
★18502	85Ed. 6/04	LAST NM 37/04	45/04		
	Add	Tabulation of controlling depths from Subsection I-2			
	(NOS)				
★18521	70Ed. 10/03	LAST NM 43/04	45/04		
	Add	Tabulation of controlling depths from Subsection I-2			
	(NOS)				
★18524	34Ed. 6/04	LAST NM 42/04	45/04		
	Add	(Left Panel) Tabulation of controlling depths from Subsection I-2			
	(NOS)				
★18525	34Ed. 5/04	LAST NM 42/04	45/04		
	Add	Tabulation of controlling depths from Subsection I-2			
	(NOS)				
18526	56Ed. 12/03	LAST NM 42/04	45/04		
	Add	Tabulation of controlling depths from Subsection I-2			
	(NOS)				
★18531	21Ed. 12/03	LAST NM 41/04	45/04		
	Add	(Lower Panel) Tabulation of controlling depths from Subsection I-2			
	(NOS)				
18652	32Ed. 7/03	LAST NM 43/04	45/04		
	Add	(Page C) Stranded wreck [K24] (PA) 38°03'49"N 122°17'55"W (NTM0002/2004)			
18654	43Ed. 3/04	LAST NM 33/04	45/04		
	Add	Stranded wreck [K24] (PA) 38°03'49.2"N 122°17'55.2"W (NTM0002/2004)			
★18655	58Ed. 12/22/01	LAST NM 38/04	45/04		
	Add	Stranded wreck [K24] (PA) 38°03'49.2"N 122°17'55.2"W (NTM0002/2004)			
18762	15Ed. 6/6/98	LAST NM 34/04	45/04		
	Change	Legend to "DANGER AREA 334.950 (see note A)" 32°49'42"N 118°29'20"W (NTM0002/2004)			
18769	2Ed. 7/15/95	LAST NM N34/04	N45/04		
	Change	Legend to "AREA "A" RESTRICTED AREA 334.980 NOTE NO 1" 33°17.5'N 119°29.0'W Legend to "AREA "C" RESTRICTED AREA 334.980 NOTE NO 1" 33°14.2'N 119°23.7'W (NTM0002/2004)			
24460	4Ed. 11/6/93	LAST NM 30/04	45/04		
	Change	(Panel B) Light to L Fl 15s 50m 12M and delete sector limits 11°20.7'N 68°40.6'W (34(3818)04 Taunton)			
29040	3Ed. 9/12/98	LAST NM 14/04	45/04		
	Delete	Dangerous submerged rock (PA) 53°54.5'S 38°13.0'W			
	Add	Depth 187 meters 53°41.4'S 37°25.2'W (38(4189, 4190)04 Taunton)			
29104	4Ed. 8/21/99	LAST NM 47/01	45/04		
	Delete	Depth 475 meters 62°14.6'S 56°07.0'W			
	Add	Depth 379 meters 62°15.7'S 56°03.9'W (38(4188)04 Taunton)			
29105	5Ed. 11/8/97	LAST NM 11/04	45/04		
	Delete	Depth 475 meters 62°14.6'S 56°07.0'W			
	Add	Depth 379 meters 62°15.7'S 56°03.9'W (38(4188)04 Taunton)			
37036	Ed. 9/7/00	LAST NM N41/04	N45/04		
	Substitute	(Panel A) Depth 6.1 meters for 6.5 meters 51°27.432'N 0°17.336'E (40(4488)04 Taunton)			
37051	Ed. 3/27/03	LAST NM N42/04	N45/04		
	Add	Depth 9.8 meters enclosed by depth contour (10-meter) 51°30.037'N 0°36.675'E (40(4484)04 Taunton)			
37080	3Ed. 12/28/96	LAST NM 44/04	45/04		
	Delete	Buoy and legend "(subm occas)" 49°42.9'N 1°58.8'W			
	Add	Beacon YBY, double cone topmark points together, VQ(9) 10s 12m 6M 49°42.9'N 1°58.3'W Depth 30.5 meters 48°54.0'N 2°57.4'W Depth 21 meters 48°54.0'N 2°56.2'W Depth 22.5 meters 48°53.8'N 2°56.8'W Depth 19.4 meters enclosed by depth contour (20-meter) 48°53.1'N 2°58.3'W Depth 19.2 meters enclosed by depth contour (20-meter) 48°53.3'N 2°58.2'W (37(35)01, 9(32)02 Brest)			
37095	3Ed. 10/26/96	LAST NM 44/04	45/04		
	Delete	WHIS from buoy "HP" 49°29.6'N 0°04.0'W (18(35)04 Brest)			
37258	4Ed. 9/6/97	LAST NM 33/04	45/04		
	Delete	Topmark and color from beacon "G" 49°25'45.9"N 0°11'31.1"E Topmark and color from beacon "F2" 49°25'46.5"N 0°11'06.5"E Beacon "D" 49°25'50.0"N 0°09'04.0"E Beacon "C" 49°25'51.2"N 0°08'14.9"E			
	Add	Beacon "D1" 49°25'48.0"N 0°10'04.9"E Beacon "D" 49°25'50.1"N 0°09'00.0"E Beacon "C" 49°25'51.4"N 0°08'09.9"E Beacon "B" 49°25'53.5"N 0°07'20.9"E (38(09)01 Brest)			
37261	10Ed. 6/21/97	LAST NM 38/04	45/04		
	Delete	Topmark and color from beacon "F2" 49°25'46.5"N 0°11'06.5"E Topmark and color from beacon "G" 49°25'45.9"N 0°11'31.1"E Beacon "C" 49°25'51.2"N 0°08'14.9"E Beacon "D" 49°25'50.0"N 0°09'04.0"E WHIS from buoy "HP" 49°29'34.0"N 0°03'48.0"W			
	Add	Beacon "D1" 49°25'48.0"N 0°10'04.9"E Beacon "D" 49°25'50.1"N 0°09'00.0"E Beacon "C" 49°25'51.4"N 0°08'09.9"E Beacon "B" 49°25'53.5"N 0°07'20.9"E Position circle "Bns" 49°25'54.1"N 0°06'37.9"E Purple dashed line joining 49°33'56.4"N 0°01'15.6"W 49°34'01.2"N 0°02'28.2"E 49°32'17.4"N 0°02'33.0"E 49°32'13.2"N 0°01'10.8"W Anchoring prohibited symbol [N20] 49°33'10.8"N 0°00'38.0"E Fishing prohibited symbol [N21] 49°33'04.0"N 0°00'38.0"E (38(09)01, 9(29)02, 18(35)04 Brest)			
37262	20Ed. 9/13/97	LAST NM 33/04	45/04		
	Delete	Topmark and color from beacon "G" 49°25'45.9"N 0°11'31.1"E			

(continued on next page)

## SECTION I

NM 45/04

<b>37262</b>	(Continued)				
	Topmark and color from beacon "F2"	49°25'46.5"N 0°11'06.5"E			
	Beacon "D"	49°25'50.0"N 0°09'04.0"E			
	Beacon "C"	49°25'51.2"N 0°08'14.9"E			
Add	Beacon "D1"	49°25'48.0"N 0°10'04.9"E			
	Beacon "D"	49°25'50.1"N 0°09'00.0"E			
	Beacon "C"	49°25'51.4"N 0°08'09.9"E			
	Beacon "B"	49°25'53.5"N 0°07'20.9"E			
	Position circle "Bns"	49°25'54.1"N 0°06'37.9"E			
	(38(09)01 Brest)				
<b>37264</b>	3Ed. 9/13/97 LAST NM 44/04				45/04
Delete	Topmark and color from beacon	49°40'29.1"N 1°34'57.6"W			
	Nauto from light	49°39'29.1"N 1°36'57.5"W			
Add	Buoy Y, conical, Q	49°40'18.0"N 1°38'39.8"W			
	(7(13), 31(12)02 Brest)				
<b>37266</b>	3Ed. 4/5/97 LAST NM 29/01				45/04
	(Plan A)				
Delete	Buoy	49°17'26.5"N 0°14'49.0"W			
	Buoy	49°17'24.5"N 0°14'49.5"W			
	(25(08)02 Brest)				
<b>37281</b>	15Ed. 1/25/97 LAST NM 37/04				45/04
Delete	Topmark and color from beacon	49°40'29.1"N 1°34'57.6"W			
	and add legend "Ru"				
	NAUTO and fog symbol from light	49°39'28.8"N 1°36'58.2"W			
Add	Buoy Y, conical, Q	49°40'18.0"N 1°38'39.8"W			
	(7(13), 31(12)02 Brest)				
<b>37330</b>	2Ed. 7/12/97 LAST NM 44/04				45/04
Add	Depth 21 meters	48°54.0'N 2°56.2'W			
	Depth 22.5 meters enclosed by depth contour				
	(30-meter)	48°53.8'N 2°56.8'W			
	Depth 19.4 meters enclosed by depth contour				
	(20-meter)	48°53.1'N 2°58.3'W			
	Depth 19.2 meters enclosed by depth contour				
	(20-meter)	48°53.3'N 2°58.2'W			
	(9(32)02 Brest)				
<b>38610</b>	1Ed. 2/9/91 LAST NM 38/04				45/04
Add	Wreck [K29]	63°26.5'N 20°04.7'W			
	(4-5(17)04 Reykjavik)				
<b>43080</b>	4Ed. 12/28/96 LAST NM 43/04				45/04
Substitute	Depth 13 meters for 20 meters	70°42.8'N 22°28.5'E			
Add	Depth 4 meters	70°43.4'N 22°22.4'E			
	(18(867)04 Stavanger)				
<b>43083</b>	4Ed. 9/7/96 LAST NM 43/04				45/04
Substitute	Depth 14.5 meters for 20 meters	70°30'34"N 22°06'36"E			
	Depth 16 meters for 19 meters	70°29'40"N 22°06'42"E			
	Depth 11.5 meters for 17 meters	70°29'26"N 22°16'02"E			
	Depth 4.8 meters for 6 meters	70°29'04"N 22°18'51"E			
	Depth 8.8 meters for 25 meters	70°29'43"N 22°22'18"E			
	Depth 16.5 meters for 22 meters	70°29'39"N 22°21'24"E			
	Depth 9.8 meters for 19 meters	70°29'52"N 22°22'46"E			
	Depth 3 meters for 23 meters	70°29'32"N 22°23'18"E			
Add	Depth 10.5 meters	70°31'07"N 22°07'12"E			
	Depth 11.5 meters	70°30'07"N 22°06'46"E			
	Depth 9 meters	70°29'51"N 22°06'51"E			
	Depth 4 meters	70°29'22"N 22°06'38"E			
	Depth 11.5 meters	70°29'37"N 22°16'45"E			
	Depth 12 meters	70°29'38"N 22°21'47"E			
	(18(866)04 Stavanger)				
<b>43100</b>	4Ed. 12/14/96 LAST NM 41/04				45/04
Substitute	Depth 10 meters for 11.9 meters	70°37.7'N 21°51.0'E			
Add	Depth 4 meters	70°43.4'N 22°22.4'E			
	Depth 14.5 meters	70°39.5'N 22°03.4'E			
	(18(867-869)04 Stavanger)				
<b>43101</b>	3Ed. 10/19/96 LAST NM 43/04				45/04
Substitute	Depth 19 meters for 23 meters	70°04'15"N 21°49'12"E			
	Depth 16.5 meters for 34 meters	70°03'45"N 21°52'58"E			
	Depth 3.5 meters for 14 meters	70°05'58"N 22°00'08"E			
	Depth 22 meters for 46 meters	70°05'05"N 22°00'00"E			
	Depth 16 meters for 19 meters	70°29'40"N 22°06'55"E			
Add	Danger circle [K40] "Obstn (Marine farm)"	70°03'45"N 21°54'07"E			
	Danger circle [K40] "Obstn (Marine farm)"	70°11'32"N 21°49'12"E			
	Depth 11 meters	70°05'33"N 21°59'17"E			
	Depth 23 meters	70°05'44"N 21°59'36"E			
	Depth 9.5 meters	70°30'14"N 22°07'48"E			
	Depth 11.5 meters	70°30'07"N 22°06'46"E			
	Depth 4 meters	70°29'22"N 22°06'38"E			
	(18(863-866)04 Stavanger)				
<b>43102</b>	4Ed. 10/12/96 LAST NM 41/04				45/04
Substitute	Depth 19 meters for 23 meters	70°04'15"N 21°49'12"E			
	Depth 16.5 meters for 34 meters	70°03'45"N 21°52'58"E			
	Depth 3.3 meters for 4 meters	70°02'42"N 21°48'00"E			
	Depth 18 meters for 26 meters	70°02'47"N 21°47'50"E			
	Depth 14 meters for 32 meters	70°00'32"N 21°51'42"E			
	Depth 10.5 meters for 34 meters	70°00'36"N 21°51'50"E			
Add	Danger circle [K40] "Obstn (Marine farm)"	70°00'18"N 21°43'35"E			
	Danger circle [K40] "Obstn (Marine farm)"	70°03'45"N 21°54'07"E			
	(Inset A)				
Substitute	Depth 5.6 meters Rk for 8 meters Rk	70°04'16"N 21°57'58"			
Add	Depth 4.4 meters	70°04'28"N 21°58'58"			
	(15(706), 18(863, 864)04 Stavanger)				
<b>43140</b>	4Ed. 10/5/96 LAST NM 41/04				45/04
Substitute	Depth 1 fathom 5 feet for 8 fathoms	68°45.7'N 14°24.7'E			
	(18(858)04 Stavanger)				
<b>43180</b>	5Ed. 7/5/97 LAST NM 38/04				45/04
Add	Danger circle [K40] "Obstn (Marine farm)"	66°40.9'N 12°28.5'E			
	Danger circle [K40] "Obstn (Marine farm)"	66°41.7'N 12°29.0'E			
	(17(793)04 Stavanger)				
<b>43181</b>	3Ed. 3/19/94 LAST NM 41/04				45/04
Add	Danger circle [K40] "Obstn (Marine farm)"	66°30'55"N 12°50'21"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°31'01"N 12°49'40"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°35'36"N 12°55'45"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°38'17"N 12°58'16"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°38'19"N 12°59'45"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°35'43"N 13°07'55"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°33'22"N 13°13'32"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°31'58"N 13°19'27"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°32'40"N 13°25'21"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°37'41"N 13°15'48"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°40'29"N 13°18'24"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°39'37"N 13°24'38"E			
	Danger circle [K40] "Obstn (Marine farm)"	66°40'46"N 13°27'09"E			
	(17(795)04 Stavanger)				
<b>43182</b>	4Ed. 3/12/94 LAST NM 41/04				45/04
Delete	Danger circle	66°24'34"N 12°25'26"E			
Add	Danger circle [K40] "Obstn (Marine farm)"	66°21'55"N 12°22'36"E			

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<b>57101</b>	(Continued)						1°09'30"N 103°42'18"E 1°10'51"N 103°40'30"E
	Buoy (mooring) "M3"	6°27'17.2"N 3°22'31.8"E					
	Buoy (mooring)	6°27'39.4"N 3°22'36.8"E			(5(38, 47)04 Singapore)		
	Relocate Buoy "25" from 6°26'56.6"N 3°22'39.8"E to 6°26'59.6"N 3°22'39.9"E				<b>71331</b>	11Ed. 10/31/92 LAST NM 38/03	45/04
	Buoy "27" from 6°27'09.9"N 3°22'29.0"E to 6°27'11.5"N 3°22'29.7"E					(Panel A)	
	Buoy "29" from 6°27'26.7"N 3°22'30.2"E to 6°27'26.3"N 3°22'32.3"E				Relocate	Pilot station symbol from 5°04'00"N 115°06'15"E to 5°04'45"N 115°06'07"E	
	Substitute Solid line (shoreline) for dashed line between 6°27'05.1"N 3°23'08.6"E 6°27'01.8"N 3°23'15.0"E					(Panel B)	
	Change Buoy to "24" R, can, Fl(4) R 15s	6°26'07.8"N 3°22'49.5"E			Delete	Pilot station symbol (BA CH 2134)	5°04'05"N 115°06'15"E
	Add Buoy (mooring) [Q40]	6°25'45.1"N 3°24'04.3"E			<b>71335</b>	2Ed. 9/12/92 LAST NM 38/03	45/04
	Buoy (mooring) [Q40]	6°26'13.5"N 3°22'42.0"E			Relocate	Pilot station symbol from 5°04'06.0"N 115°06'17.0"E to 5°04'45.0"N 115°06'07.2"E	
	Buoy (mooring) [Q40]	6°26'12.5"N 3°22'38.5"E				Beacon "5W" from 5°02'37.0"N 115°05'43.0"E to 5°02'26.2"N 115°05'37.0"E	
	Buoy "21" G, conical	6°26'37.5"N 3°23'17.9"E				(Plan)	
	Buoy "23" G, conical	6°26'42.9"N 3°23'03.5"E			Relocate	Beacon "5W" from 5°02'37.0"N 115°05'43.0"E to 5°02'26.2"N 115°05'37.0"E (BA CH 2134)	
	Position circle "SS (Traffic)" [T22]	6°27'00.0"N 3°23'28.1"E			<b>74273</b>	5Ed. 8/23/97 LAST NM 35/04	45/04
	Buoy (mooring) [Q40]	6°27'04.3"N 3°22'22.5"E			Delete	Depth 3.9 meters, blue tint and enclosing depth contour (5-meter) in vicinity 14°49'30"S 145°17'30"E	
	Buoy (mooring) [Q40]	6°27'17.8"N 3°22'50.2"E			Substitute	Depth 2.3 meters for 6.4 meters and add blue tint to area enclosed by depth contour	14°48'36"S 145°16'42"E
	Buoy (mooring) [Q40]	6°27'23.5"N 3°22'47.2"E				Depth 1 meter for 0.6 meter	14°49'06"S 145°17'00"E
	Buoy (mooring) [Q40]	6°27'26.5"N 3°22'46.5"E			Add	Depth 2.8 meters, blue tint and enclosing depth contour (5-meter) centered 14°49'06"S 145°17'24"E	
	(BA CH 2812)					Depth 3 meters, blue tint and enclosing depth contour (5-meter) centered 14°49'36"S 145°17'39"E	
<b>57160</b>	10Ed. 5/11/96 LAST NM 28/04					(26(724)99 Wollongong; Aus CH 832)	
	Add Dangerous wreck [K28]	2°56.4'N 9°53.1'E			<b>75010</b>	7Ed. 7/13/96 LAST NM 50/02	45/04
	(BA CH 1322)				Substitute	Depth 2.2 meters for 4.1 meters 34°50.0'S 136°09.0'E	
<b>57201</b>	5Ed. 1/30/99 LAST NM 26/04					Depth 0.8 meter for 3.2 meters 34°51.3'S 136°07.4'E	
	Add Depth 6.5 meters Obstn [K41]	0°41'29.4"S 8°49'15.0"E				Depth 0.8 meter for 1.4 meters 34°53.0'S 136°07.0'E	
	Depth 13.6 meters Obstn [K41]	0°41'30.0"S 8°48'58.2"E				Depth 9.2 meters for 10.9 meters 34°56.2'S 136°03.0'E	
	Depth 16.7 meters Obstn [K41]	0°41'00.6"S 8°49'04.2"E				Depth 1.4 meters for 4.5 meters 34°57.0'S 136°04.2'E	
	Depth 18.8 meters Obstn [K41]	0°39'38.4"S 8°50'50.4"E			Change	Visibility (range) of light to 11-7M (26(726)99 Wollongong; Aus CH 134)	34°52.5'S 136°00.6'E
	Depth 23 meters Wk [K26]	0°39'25.8"S 8°49'23.4"E			<b>75130</b>	16Ed. 8/26/95 LAST NM 40/04	45/04
	(27(30)03 Brest)				Substitute	Depth 23 meters for 18.3 meters and delete blue tint and enclosing depth contour	34°32.4'S 137°11.9'E
<b>61071</b>	9Ed. 1/18/97 LAST NM 39/03					Depth 0.8 meter for 3.2 meters 34°51.4'S 136°07.5'E	
	Add Dangerous wreck [K28] (PA)	33°01'12.6"S 27°55'28.8"E				Depth 0.8 meter for 1.4 meters 34°53.0'S 136°07.1'E	
	(Plan)					Depth 2.2 meters for 4.1 meters 34°50.0'S 136°08.9'E	
	Add Dangerous wreck [K28] (PA)	33°01'12.6"S 27°55'28.8"E				Depth 9.2 meters for 10.9 meters 34°56.5'S 136°03.2'E	
	(9(78)04 Cape Town)					Depth 1.4 meters for 4.5 meters 34°57.2'S 136°04.4'E	
<b>61111</b>	12Ed. 2/15/97 LAST NM 34/03				Add	Depth 25 meters 34°33.3'S 137°13.1'E	
	Relocate Buoy "5" from 25°55'56"S 32°51'32"E to 25°55'29"S 32°51'32"E					Depth 11.8 meters 34°04.7'S 137°18.2'E	
	Buoy "2N" from 25°46'25"S 32°49'40"E to 25°46'11"S 32°49'44"E					Depth 0.9 meter 34°54.2'S 137°07.3'E	
	Buoy "7" from 25°56'26"S 32°42'38"E to 25°56'36"S 32°42'40"E					Depth 8.2 meters enclosed by depth contour (10-meter) centered 34°45.9'S 137°17.8'E	
	(9(MOZ 33/04, 35/04, 37/04)04 Cape Town)					Depth 9.3 meters enclosed by depth contour (10-meter) centered 34°44.6'S 137°19.1'E	
<b>61150</b>	4Ed. 10/7/95 LAST NM 12/02					Depth 9.3 meters enclosed by depth contour (10-meter) centered 34°39.6'S 137°13.6'E	
	Delete Buoy "P"	18°05.2'S 37°01.8'E				Depth 9.6 meters enclosed by depth contour (10-meter) centered 34°38.9'S 137°16.8'E	
	Add Buoy "P" GW, pillar, Fl(5) WG 5s	18°03.7'S 37°01.2'E				Depth 10.5 meters 34°49.5'S 136°08.5'E	
	(9(MOZ 41/04)04 Cape Town; BA CH 650)					(26(726-728)99 Wollongong)	
<b>71257</b>	2Ed. 6/29/96 LAST NM 26/04				<b>75131</b>	7Ed. 3/27/99 LAST NM 39/03	45/04
	Add Buoy Y, conical, Fl Y 2s	1°09'26"N 103°44'25"E			Substitute	Depth 5.8 meters for 8.2 meters 34°54'04.0"S 136°02'13.5"E	
	"Works in progress (2004)" area bound by dashed line joining 1°11'27"N 103°40'30"E 1°09'54"N 103°42'36"E 1°09'30"N 103°42'18"E 1°10'51"N 103°40'30"E					Depth 7.7 meters for 9.4 meters 34°53'43.0"S 136°02'12.0"E	
	(5(38, 47)04 Singapore)						
<b>71258</b>	2Ed. 8/10/96 LAST NM 25/04						
	Add Buoy Y, conical, Fl Y 2s	1°09'26"N 103°44'25"E					
	"Works in progress (2004)" area bound by dashed line joining 1°11'27"N 103°40'30"E 1°09'54"N 103°42'36"E						

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<b>75131</b>	(Continued)		
Change	Visibility (range) of light to 11-7M	34°52'22.0"S 136°00'36.0"E	
	(26(726)99 Wollongong; Aus CH 134)		
<b>75132</b>	11Ed. 3/19/94 LAST NM 21/04		45/04
Add	Light F Bu	34°49'58.5"S 138°30'32.2"E	
	Light F Bu	34°49'59.6"S 138°30'32.1"E	
	(5(148)00 Wollongong)		
<b>75144</b>	3Ed. 4/22/95 LAST NM 10/04		45/04
Delete	Depth 6.4 meters	34°01'25"S 137°30'59"E	
	Legend "Shoaling Rep (1917)"	34°02'20"S 137°30'00"E	
Substitute	Depth 13.7 meters for 14.9 meters	34°05'01"S 137°18'41"E	
	Depth 12.9 meters for 14.3 meters	34°05'25"S 137°19'11"E	
Add	Depth 1.4 meters enclosed by depth contour (2-meter) centered	34°20'49"S 137°28'09"E	
	Depth 1.7 meters enclosed by depth contour (2-meter) centered	34°18'33"S 137°29'37"E	
	Depth 1.6 meters enclosed by depth contour (2-meter) centered	34°01'40"S 137°30'46"E	
	Depth 4.3 meters enclosed by depth contour (5-meter) centered	33°51'35"S 137°35'17"E	
	Depth 12.7 meters	34°04'41"S 137°18'12"E	
	Depth 13.3 meters	34°04'07"S 137°16'35"E	
	<b>(Plan B)</b>		
Add	Depth 3.2 meters	33°53'11"S 137°35'01"E	
	(26(728)99 Wollongong)		
<b>75208</b>	2Ed. 7/22/95 LAST NM 22/04		45/04
	<b>(Plan B)</b>		
Add	Position circle "Lt Ho (disused)"	41°18'28.0"S 146°58'14.0"E	
	(26(729)99 Wollongong)		
<b>★93247</b>	5Ed. 7/17/04 NEW EDITION		45/04
	(NGA)		
<b>96012</b>	16Ed. 6/24/95 LAST NM 34/04		45/04
Add	Depth 62 meters Wk [K26]	48°18.7'N 140°15.1'E	
	(16(2390)04 St. Petersburg)		
<b>96120</b>	6Ed. 8/19/95 LAST NM 21/03		45/04
Add	Depth 62 meters Wk [K26]	48°18'44"N 140°15'04"E	
	(16(2390)04 St. Petersburg)		
<b>96130</b>	2Ed. 8/19/95 LAST NM 9/02		45/04
Add	Depth 62 meters Wk [K26]	48°18'44"N 140°15'04"E	
	(16(2390)04 St. Petersburg)		
<b>96944</b>	6Ed. 7/25/98 LAST NM 17/04		45/04
Add	Chartlet, depicting changes in hydrography, topography and aids to navigation from Subsection I-2	40°49'58.0"N 140°44'53.0"E	
	<b>(Plan)</b>		
Delete	Purple dashed line between	40°49'49.0"N 140°44'19.3"E 40°49'55.4"N 140°44'36.9"E	
Add	Chartlet, depicting changes in hydrography, topography and aids to navigation from Subsection I-2	40°49'58.0"N 140°44'53.0"E	
	(24(637)04 Tokyo; Jpn CH W1191)		
<b>800669</b>	8Ed. 9/15/90 LAST NM N34/04		N45/04
Change	Legend to "DANGER AREA 334.950 (NOTE NO 1)"	32°48'48"N 118°28'25"W	
	(NTM0002/2004)		



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Chart 18502

NM 45/04

GRAYS HARBOR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF AUG 2004 AND SURVEYS TO JUN 2004							
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)					PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)	DEPTH MLLW (FEET)
BAR CHANNEL	46.7	46.4	45.0	5-03	1000	4.6	46
ENTRANCE CHANNEL	34.6	34.5	37.2	5,6-03; 3,5,6-04	900-600	1.8	42
PT CHEHALIS REACH	37.0	39.5	33.4	3,5,6-04	600	1.2	40
SOUTH REACH	34.3	37.0	36.1	3,10-03; 3,5,6-04	600-350	4.1	36
CROSSOVER CHANNEL	35.9	37.3	36.9	6,10,11-03; 1-04	350-450	2.5	36
NORTH CHANNEL	36.6	36.3	35.7	1-04	450-350	2.4	36
HOQUIAM REACH	37.1	36.1	36.9	1-04	350	1.9	36
COW POINT REACH	35.3	35.7	33.7	12-02; 1,2-03; 1-04	350-900	1.8	36
ABERDEEN REACH	27.8	29.8	28.6	10-01; 2-02; 2-03; 1-04	550-200	2.6	30
TURNING BASIN	32.7	33.5	24.2	1-04	200-550	.3	30
THENCE TO COSMOPOLIS	26.5	26.9	27.7	1-02; 2-03	200	.8	30

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18521

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COLUMBIA RIVER CHANNEL DEPTHS ENTRANCE TO MILLER SANDS RANGE TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 13, 2004								
* SEE FOOTNOTES					PROJECT DIMENSIONS			
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ENTRANCE RANGE	54	51	51	43	9-04	2640	3.3	48
SAND ISLAND RANGE (CLATSOP SPIT)	49	50	50	46	9-04	2640	2.2	48
LOWER DESDEMONA SHOAL	43	45	43	43	8-04	600	3.4	40
UPPER DESDEMONA SHOAL	40	43	47	45	9-04	600	3.6	40
TANSY POINT TURN AND RANGE	40	42	42	38	8-04, 9-04	600	4.8	40
ASTORIA RANGE	40	42	43	41	9-04	600	2.7	40
TONGUE POINT CHANNEL	41	44	42	41	9-04	600	2.2	40
HARRINGTON POINT RANGE	41	41	44	39	7-04, 9-04	600	2.6	40
MILLER SANDS RANGE	39	41	40	39	7-04	600	2.2	40

\* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT  
 \* CONTROLLING DEPTHS IN CHANNELS ENTERING FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER FROM THE ENTRANCE TO HARRINGTON POINT AND COLUMBIA RIVER DATUM ABOVE THAT POINT. PROJECT LENGTHS ARE IN STATUTE MILES.  
 NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

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Chart 18524 (Left Panel)

NM 45/04

COLUMBIA RIVER CHANNEL DEPTHS GULL ISLAND TURN AND CHANNEL TO SAINT HELENS TURN TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 13, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
GULL I TURN AND CHANNEL	46	50	40	36	8-04	600	2.2	40
STELLA RANGE	39	40	38	37	8-04	600	2.8	40
FISHER I CHANNEL	39	40	38	39	8-04	600	0.9	40
WALKER I CHANNEL	37	42	43	37	8-04	600	1.5	40
BARLOW PT. CHANNEL	42	45	39	39	8-04	600	1.3	40
SLAUGHTERS CHANNEL	39	40	39	40	8-04	600	2.3	40
SLAUGHTERS TURN AND CHANNEL OPPOSITE THE TURNING BASIN	38	40	39	38	8-04	600	1.7	40
COTTONWOOD ISLAND LOWER RANGE	41	40	39	38	8-04	600	1.7	40
COTTONWOOD ISLAND TURN	43	42	38	39	8-04	600	2.7	40
COTTONWOOD ISLAND UPPER RANGE	42	42	42	40	8-04	600	1.6	40
KALAMA LOWER RANGE	43	36	39	32	8-04	600	1.8	40
KALAMA UPPER RANGE	39	42	39	40	8-04, 9-04	600	2.2	40
BYBEE LEDGE CHANNEL	39	42	43	39	9-04	600	2.1	40
MARTIN ISLAND CHANNEL	41	38	38	38	8-04, 9-04	600	2.1	40
MARTIN ISLAND RANGE	39	42	42	41	8-04	600	1.4	40
COLUMBIA CITY CHANNEL	38	40	38	38	8-04	600	1.2	40
ST. HELENS RANGE	39	39	41	38	8-04	600	2.0	40
ST. HELENS TURN	42	43	41	36	8-04	600	1.7	40

\* CONTROLLING DEPTHS ROUNDED TO NEAREST FOOT  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18525

NM 45/04

COLUMBIA RIVER CHANNEL DEPTHS SAINT HELENS TURN TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORTS OF SEP 13, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
ST. HELENS TURN	42	43	41	36	8-04	600	1.7	40
WARRIOR ROCK RANGE	39	40	39	38	8-04	600	1.3	40
DUCK CLUB TURN	37	37	42	42	8-04	600	1.4	40
HENRICI RANGE	41	39	41	39	9-04	600	2.6	40
FALES CHANNEL	44	41	41	38	9-04	600	1.1	40
KNAPP POINT CHANNEL	39	41	40	38	8-04	600	1.8	40
WILLOW LOWER RANGE	39	41	41	38	8-04	600	2.1	40
WILLOW UPPER RANGE	40	43	40	45	9-04	600	1.1	40
MORGAN BAR	43	46	49	47	9-04	600	1.0	40
MORGAN CHANNEL	46	45	42	42	9-04	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	49	47	8-04	500	1.0	40
VANCOUVER RANGE	40	42	42	41	8-04	500	1.3	40
VANCOUVER UPPER CHANNEL	41	42	38	39	8-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	36	38	41	40	8-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	30	27	27	8-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27

\* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

SECTION I

NM 45/04

Chart 18526

NM 45/04

COLUMBIA RIVER CHANNEL DEPTHS MORGAN CHANNEL TO TOMAHAWK BAR TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 13, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	LEFT INSIDE QUARTER	RIGHT INSIDE QUARTER	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)
MORGAN CHANNEL	46	45	42	42	9-04	600	1.5	40
VANCOUVER LOWER CHANNEL	46	47	49	47	8-04	500	1.0	40
VANCOUVER RANGE	40	42	42	41	8-04	500	1.3	40
VANCOUVER UPPER CHANNEL	41	42	38	39	8-04	500	0.9	40
VANCOUVER LOWER TURNING BASIN	36	36	41	40	8-04	800	1.0	40
VANCOUVER UPPER TURNING BASIN	32	30	27	27	8-04	800	0.9	35
TOMAHAWK BAR	18	18	18	17	11-03	300	3.7	27

\* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18531 (Lower Panel)

NM 45/04

COLUMBIA RIVER CHANNEL DEPTHS TOMAHAWK BAR TO BONNEVILLE LOCKS TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - REPORT OF SEP 13, 2004								
CONTROLLING DEPTHS IN FEET AT COLUMBIA RIVER DATUM (CRD) * SEE FOOTNOTE						PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (STAT. MILES)	DEPTH CRD (FEET)	
TOMAHAWK BAR	18	18	17	11-03	300	3.7	27	
AIRPORT BAR	18	18	18	3-04	300	2.8	27	
GOVERNMENT ISLAND LOWER RANGE	16	17	17	3-04	300	1.1	27	
GOVERNMENT ISLAND MIDDLE RANGE	14	18	16	3-04	300	1.6	27	
FISHER QUARRY CHANNEL RANGE	26	24	21	3-04	300	1.0	27	
GOVERNMENT ISLAND RANGE	25	30	25	3-04	300	1.1	27	
GOVERNMENT ISLAND UPPER RANGE	17	18	21	3-04	300	0.8	27	
LADY ISLAND RANGE	18	21	23	3-04	300	2.1	27	
LADY ISLAND CHANNEL AND UPPER RANGE	28	28	19	3-04	300	0.9	27	
WASHOUGAL LOWER RANGE	21	28	28	3-04	300	1.5	27	
WASHOUGAL UPPER RANGE	19	26	30	3-04	300	1.1	27	
GARY ISLAND RANGE	16	15	15	3-04	300	0.9	27	
REED ISLAND RANGE	18	15	14	10-03, 3-04	300	2.2	27	
TUNNEL POINT CHANNEL	24	25	26	10-03	300	0.8	27	
ROOSTER ROCK CHANNEL	26	23	25	10-03	300	1.2	27	
CAPE HORN CHANNEL	34	32	31	10-03	300	2.4	27	
CANDIANA CHANNEL	16	38	36	10-03	300	1.0	27	
FASHION REEF LOWER RANGE	12	19	21	10-03	300	2.2	27	
MULTNOMAH FALLS BAR RANGE	13	23	16	10-03	300	1.3	27	
MULTNOMAH FALLS TURN	12	20	21	10, 11-03	300	0.8	27	
MULTNOMAH FALLS UPPER RANGE	18	21	24	11-03	300	3.2	27	
MCGOWANS CHANNEL	39	34	25	11-03	300	1.1	27	
WARRENDALE LOWER RANGE	20	22	23	11-03	300	0.9	27	
WARRENDALE UPPER RANGE	21	28	22	11-03	300	0.8	27	
HAMILTON ISLAND REACH	21	30	27	11-03	300	0.9	27	
ENTRANCE TO BONNEVILLE LOCKS	22	22	22	3-00	300	0.6	27	

\* CONTROLLING DEPTHS ROUNDED TO THE NEAREST FOOT  
NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

## CHARTS AFFECTED BY NOTICE TO MARINERS NM 29/03 THROUGH NM 45/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
	11	2	42/04								
	12	1	27/04								
	13	1	27/04								
	14	4	42/04								
	21	4	4/04								
	22	1	4/04								
	50	6	32*,34,40,50/03								
	53	2	34,50/03								
	70	4	34/03								
	71	4	34/03								
	73	4	34/03								
	101	3	42/04								
	102	5	42/04								
	103	5	9/04								
	105	4	28/04								
	108	9	34,39/03;19,21/04								
	120	6	39/03								
	121	5	42/04								
	124	10	34,39/03;27/04								
	126	39	42/04								
	145	16	39/03;27/04								
	200	3	37/03								
	204	4	4/04								
	211	5	4/04								
	301	1	35/04								
	302	1	35/04								
	310	20	52/03;6,35,42/04								
	400	3	29,33,34/03;6,19,25,27,36,37/04								
	401	5	29,33,34,44/03;6,19,21,25,27,36,37,38/04								
	402	4	27/04								
	411	49	29,30,31,33,44,52/03;1,5,6,16,19,21,25,36,37,38,43/04								
	500	8	32*,34,41/03;44/04								
	501	12	40,41/03;4,6,11,19,35/04								
	502	2	40,44/03;11,42/04								
	503	4	1,27/04								
	504	4	23,26/04								
	510	3	40/03;17/04								
	511	4	17/04								
	512	2	11,20/04								
	513	7	34*,44/04								
	514	7	16/04*								
	520	127	34,40,41/03;4,11,26,27,35,44/04								
	521	11	34,50/03;11,20,44/04								
	523	8	34,50/03;11,20,26,44/04								
	524	12	34/03								
	525	3	40/03								
	526	10	26/04								
	530	30	34,40,41,44,50/03;4,7,11,19,21,23,26,27,33,34,42,44/04								
	531	22	21*,44/04								
	532	17	34,50/03;11,15,20,44/04								
	540	17	16*,23,26/04								
	541	2	26/04								
	550	7	44/04								
	600	5	45/03								
	601	4	38/03								
	602	6	38/03								
	604	5	38/03;22/04								
	607	1	45/03								
	623	9	36/03								
	624	3	7/04								
	703	4	44/03								
	706	4	44/03								
	707	2	34,44/03								
	708	3	34,36/03								
	800	4	15,20/04								
	803	1	15/04								
1113A			52/03;16,32,36,38/04								
1114A			30*,36/04								
1115A			29,30,34,35,37,38,49,50,51,52/03;1,2,3,5,7,11,13,14,15,20,22,25,35,36,39,40,41,44,45/04								
1116A			37*,38,45,46,49,50,51,52/03;1,2,3,4,5,6,7,10,13,14,15,16,17,19,20,23,25,26,32,33,34,35,36,37,38,39,40,41,43,44,45/04								
1117A			30,31,32,34,35,36,44,45,50,51/03;5,6,7,10,15,18,20,23,25,34,35,37,39,42/04								
5161	13		48/03*								
11004	7		29,30,32,34,36,37,38,44,51/03;1,3,4,5,6,10,13,14,15,16,18,23,25,32,36,37,39,41,42,43/04								
11006	31		47*,49,50/03;3,5,6,13,16,20,29,32,36,38,39,40,41,45/04								
11009	37		40/04*								
11013	45		38*,40,50,52/03;16,19,38/04								
11300	39		30,31,32,34,35,36,44,45,50,51/03;5,6,7,10,15,18,20,23,25,34,35,37,39,42/04								
11301	23		32/03;1,7,17,25,27,42/04								
11302	30		48/03*;1,7,17,27,42/04								
11304	13		33/04*								
11305	1		N32/03;N1,N13,N23,N26,N36/04								
11307	36		35,52/03;1/04								
11308	22		32/03;13,23,36,38/04								
11309	37		48*,50/03;1,13,23,36,38/04								
11310	1		N32/03;N1,N12/04								
11311	23		1,12,36/04								
11312	3		32/03;1,13,25,26,36/04								
11313	22		36,52/03;4,14,20,25/04								
11314	23		15/04*								
11315	31		48/03*								
11316	39		29,34/03;1,15,27,37,38,39/04								
11317	30		12*,19,27,38/04								
11318	1		N44,N50/03;N1,N13,N23,N36,N38/04								
11319	31		29,30,34/03								
11320	1		N52/03								
11321	30		40*,42/04								
11322	28		30,34,35,42,47/03;1,7,14,17,27,38/04								
11323	60		47*,49,51/03;1,3,5,6,9,15,17,19,20,25,26,35,37,38,39,40,44/04								
11324	33		47*,49,52/03;1,14,17,19,20,26,27,33,37,38,40,43,44/04								
11325	35		38,42,47/03;1,14,17,27,37/04								
11326	32		15*,16,17,19,20,23,26,33,34,37,38,40,41,43,44/04								
11327	31		46*,52/03;1,14,16,17,19,27,33,34,38,44/04								
11328	23		43*,52/03;1,2,4,6,7,14,17,23,27,37,38,43,44/04								
11329	35		48*,49,52/03;2,6,7,14,17,23,27,33,38,44/04								
11330	15		50*,51/03;1,2,4,5,6,7,10,13,14,15,17,20,23,25,26,34,35,37,38,39,42,43,44/04								
11331	19		12*,14,25,36/04								
11332	29		24*,25,26,27,35,38,39,40,42,43,45/04								
11333	1		N35/03								
11340	68		37*,38,45,46,49,50,51,52/03;1,2,3,4,5,6,7,10,13,14,15,16,17,19,20,23,25,26,32,33,34,35,36,37,38,39,40,41,43,44,45/04								
11341	40		18*,25,26,27,35,37,38,39,40,42,43,45/04								
11342	52		29,31,34,35,42,46,47/03;1,6,13,14,17,27,36,37,38,40/04								
11343	37		48*,49,50/03;4,17,27,36,38/04								
11344	35		29,31,34,38,43,46,47/03;4,5,9,14,16,17,24,34,35,37,39,42,43,44/04								
11345	31		38/03;4,37,43/04								
11347	34		38*,39,42,43,44/04								
11348	20		43*,47,51/03;4,24,25,36,44/04								
11349	41		22*,23,25,33,35,38,39,42/04								
11350	25		43/03*								
11351	38		30,31,34,48,50,51,52/03;1,3,5,10,12,13,14,15,25,26,33,37,38,39,42,43,44,45/04								
11352	37		13*,14,15,20,25,35,37,39,43,44,45/04								
11353	3		9*,13,14,19,26,28,34,37,38/04								
11354	24		31,34,48,51/03;1,10,12,14,15,37,38,39,45/04								
11355	26		23/04*								
11356	35		38*,51,52/03;3,4,6,13,14,19,25,26,33,35,36,37,38,43,44/04								
11357	36		38*,52/03;2,3,5,12,14,15,17,20,23,26,37,38,44/04								
11358	52		41*,49,50,51/03;2,3,5,6,7,14,19,23,25,33,35,36,37,38,43,44/04								
11359	11		49,50/03;19,32/04								
11360	40		29,30,34,35,37,38,49,50,51,52/03;1,2,3,5,7,11,13,14,15,20,22,25,35,36,39,40,41,44,45/04								
11361	71		11*,12,13,17,19,23,24,25,27,33,34,37,39,41,44/04								
11362	4		N29,N30,N34,N35,N37,N38,N49,N50,N51,N52/03;N1,N2,N3,N5,N7,N11,N13,N14,N15,N20,N22,N25,N35,N36,N39,N40,N41,N44,N45/04								
11363	39		47*,50,51/03;1,4,5,6,12,13,14,17,20,23,25,26,28,32,34,35,37,38,39,43,44/04								
11364	39		30,33,34,35,43,50,51/03;1,4,6,13,14,21,25,26,28,37/04								
11365	17		32,34,50/03;3,6,7,14,15,20,23,25,35,38,44/04								
11366	8		52/03*;1,3,5,7,11,12,13,14,15,19,23,25,32,35,36,40,41,43,44,45/04								
11367	32		38*,45,46,51/03;14,25,28,33/04								
11368	23		34*,43/04								
11369	44		43,50/03;1,6,13,28/04								
11370	25		38*,43/04								
11371	36		35*,48/03;4,6,12,37/04								
11372	31		23*,25,37,39/04								
11373	43		48*,49/03;1,3,4,5,7,14,17,20,22,24,34,36,37,39								

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 45/04

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11520	41	38*,39,50/03;1,2,5,7,8,14,27,29,37,40/04	12289	48	13/04	13230	47	15*,19,22,23,24,30,34/04	14081	21	36,47/03;2,42/04
11521	27	30*,41/04	12300	44	37*,41/04	13232	4	19,23,28,34/04	14083	30	38/04
11522	19	39/03;14/04	12301	21	N39,N44,N48,N49/03;N6,N20,N28,N31,N33,N34,N36/04	13233	16	39/03;4,22,23,43/04	14085	6	49/03;15,38/04
11523	22	36*,41/04				13235	6	23/04*	14087	58	41/04
11524	47	18*,21,29,31,36,38,39,41,43/04	12304	43	48,52/03;2,5,9,22,26,28,30/04	13236	29	50/03;1/04	14088	10	34/03;5,38/04
11525	6	N39,N50/03;N1,N2,N5,N7,N8,N25,N27,N29,N37,N40/04	12304	44	40/04*	13237	39	39/03;13,23,43/04	14089	29	34/03
			12311	43	37*,42/04	13241	15	23/04	14090	2	41/04
11527	16	14,15,16,21,29/04	12312	52	32,51/03;1,10,16,22,31,36,42/04	13242	17	23/04	14091	6	41/04
11531	21	39/03	12313	50	41/04*	13244	39	32/03	14105	19	47/03
11532	20	39,43,50/03	12314	30	33,35/03;19,22,28/04	13246	37	36*,42/03;35/04	14110	42	32,44/03;1,36,41/04
11534	33	19*,40/04	12316	31	38/04*	13260	39	36*,39,42,45/03;16,34,43/04	14111	7	32,34,42,44/03
11535	12	39/03;14,43/04	12317	32	28/04*	13263	7	N29,N36,N39,N42,N45/03;N34,N35,N43/04	14112	5	32,42,44/03;1,41/04
11536	17	18*,27,40/04	12318	42	31*,36,44/04	13264	103	29,39,42,49/03;5,34/04	14123	14	42/04
11537	35	18*,19,40/04	12319	23	6/04	13267	31	47/03*;9,23,35,45/04	14128	6	4,45/04
11541	34	51/03*;9,11,12,19,31,33,40/04	12324	31	15*,19,28/04	13269	9	7,9/04	14132	2	45/04
			12326	49	35*,49/03	13270	60	50/03*;9,15,42,45/04	14134	2	41/04
11542	16	25/04*	12327	97	48*,49/03;17,20,22,24,27,28,30,31,40,43/04	13272	48	18*,20,23,36,42/04	14135	2	14,38,41/04
11543	22	38/03;1,19,40/04				13274	25	43/03*;6,15,23,45/04	14136	2	1,41/04
11544	38	18*,19,33,37,40/04	12331	30	33/03;22,33,40/04	13275	28	45/03*;15,45/04	14141	17	47/03
11545	61	16*,19,31,33/04	12332	21	22,40/04	13276	22	36/03*	14143	14	N38/03*;N4,N15,N41/04
11547	36	16*,19,31,33/04	12333	33	44*,49/03;17,24,28/04	13278	25	32,39/03;23/04	14144	29	38/03**
11548	39	12/04*	12334	67	25*,28,30,31,43/04	13279	31	44/04*	14145	2	47/03;15/04
11550	29	28/04*	12335	40	47/03*	13281	17	17,23/04	14146	2	32,49/03;6/04
11555	39	18/04*	12337	22	22/04	13282	11	39/03	14151	2	32,34,38/03;1,4/04
12200	48	37*,40/04	12338	9	19/04	13283	18	4,6/04	14156	2	14/04
12201	25	N32/03;N1,N2,N6,N7,N16,N25,N29/04	12339	44	50/03*;23/04	13285	10	4/04	14167		N6,N14/04
			12341	26	36/03*	13287	30	22*,43/04	14168		N37/03;N41/04
12204	35	33/03;5/04	12342	29	29,35/03;24,26,28,30/04	13288	40	29,42,44,45/03;20,23,40,43,44/04	14169	2	32,38,42,49/03
12205	28	43*,50/03;5,11,35,39/04	12343	33	29,34/03;26/04				14173	2	38/03
12206	30	50/03*;2,15,19,27,39/04	12350	58	17*,33,43/04	13290	35	39*,42,44,49/03;20,23,29,40,43,44/04	14174		N42/03*;N14,N38,N39,N41/04
12207	21	18*,35,39/04	12352	30	46/03*;26,35,45/04				14175		N43/03*;N9/04
12208	10	29*,39/04	12353	18	8*,26,45/04	13292	37	44/04*	14176		N38/03*
12210	36	33/03	12354	41	26*,30/04	13293	33	40,42,44/04	14177		N40/03*
12211	42	40/04*	12363	39	32,36/03;30,31/04	13296	25	42/04	14178		N40/03*;N5,N6/04
12214	45	30*,40/04	12364	34	32,36,39/03;29,30,31,37/04	13298	10	42/04	14180	38	42/03**
12216	27	40/04				13301	20	42,45/03	14181	3	43/03**
12221	75	48*,50/03;2,9,11,19,28,35,36,38,39/04	12366	27	31/04	13302	21	32,42,45,52/03;8,43,44/04	14183	15	38/03**
12222	46	30*,36/04	12367	23	30/04				14184		N32,N44,N47,N49/03;N38/04
12224	23	33,45/03;9/04	12368	26	30/04	13305	28	36,44/03;8,42,43,44/04	14185	2	40/03**
12225	55	44/04*	12369	25	32,35,36,43/03;28,37,38/04	13307	10	44/03;8,42/04	14186	2	40/03**
12226	16	42/04				13308	12	22*,43/04	14187	2	38/03**
12228	30	16/04*	12371	23	52/03;19,25,28/04	13309	28	32,52/03;15,44/04	14188	1	42/03
12230	61	3*,20,26,28,33,39,40/04	12372	32	8*,17,20,23,25,28,29,30,34,38,39,45/04	13312	21	34,35/04	14189	2	36,42,44/03;4,6,15,39/04
12231	26	30/03;28,40/04				13313	20	42/04*	14190	2	37,42/03;14/04
12233	36	16/04*	12373	14	17/04	13318	18	36/04	14191		N38/03*;N41/04
12235	30	22*,28,29/04	12375	21	30/04	13323	7	34/04	14192		N38/03*;N9/04
12237	27	48/03*;28,29/04	12401	7	33,41/03;22,28/04	13324	14	5*,34,35/04	14193		N38/03*;N15/04
12238	38	6*,19,28,35,36,38/04	12402	8	34,41/03;31,33/04	13325	15	44/04*	14195		N42/03*;N15/04
12241	21	34/03;2,35/04	13000		N29/03	13326	13	25*,42/04	14196		N38/03*;N15,N38/04
12243	13	12,20,35/04	13003	47	36*,39,44,45,48,52/03;6,16,17,34,36,43/04	13394	3	42/03;36/04	14197		N38/03*;N15/04
12244	13	20/04				13396	4	36/04	14198		N43/03*;N36/04
12245	63	26/04*	13006	31	36*,39,44,45,48/03;6,16,33,34,36,43/04	13398	3	40/04	14200	2	38/03**
12248	40	44/03*;4,15/04	13009	30	36,39,44,45,48/03;6,16,33,43/04	14000		N23/04*	14201	15	38/03**
12251	23	12,27/04				14001		N23/04*	14202	12	42/03**
12252	24	25*,28,38/04	13200	33	36,39,44,45,48/03;6,33,34/04	14002	57	23/04**	14204	21	38/03**
12253	43	35/03*;2,10,13,15,19,27,28,39/04	13201	10	N36,N39,N44,N45,N48/03;N6/04	14003	6	29,39,48/03;6,16,36,39,43/04	14205	7	38/03**
12254	44	16*,35/04				14004		N23*,N39/04	14206	20	43/03**
12255	15	30,34/03	13203	12	48/03	14005	78	23/04**	14207	33	36/04
12256	14	48/03*;2,12,35/04	13204	12	44/03;6/04	14006		N23/04*	14208	28	38/03**
12261	28	48/03;20,40/04	13205	36	2,17,25,29/04	14007		N38/03*;N14,N41/04	14209		N38/03*;N15,N41/04
12263	53	11*,14,37,41/04	13209	24	37/04*	14008	76	38/03**	14211		N40/03*;N41/04
12264	28	42,44,48,52/03;26,33,39/04	13211	13	45/03;29/04	14009	3	29/04**	14212		N38/03*;N11,N15/04
			13212	36	18*,25,38,39/04	14010	5	29/04**	14213		N39/03*;N5,N36/04
12266	28	8*,41/04	13213	41	18*,20,23,34,38,39,45/04	14011		N23/04*	14214		N39/03*;N36/04
12270	33	15*,37,41/04	13214	27	2,17,28,39/04	14012		N29/04*	14215		N39*,N44/03;N5,N15,N36/04
12272	29	30,33,38/03;7,41/04	13215	18	44/04*	14013		N29/04*	14216		
12273	55	31*,38,39/04	13216	1	N2/04	14014	82	29/04**	14217		N43/03*;N37,N41/04
12274	33	30,33/03;20,29,38/04	13217	14	6/04	14015		N29/04*	14218		N39/03*;N6/04
12277	32	35*,51/03;20,26,29,38,39/04	13218	38	46,50,52/03;19,20,22,23,24,29,30,33/04	14016		N29/04*	14219		N40/03*;N6,N19/04
						14019		N29*,N34/04	14220		N39/03*;N36/04
12278	73	8*,31,38,39/04	13218	39	34*,36/04	14024	5	36,47/03;37,39/04	14222	16	40/03**
12280	4	52/03*;2,7,9,28,35,36,39/04	13219	12	26/04	14025		N43/04*	14223	18	38/03**
12281	49	38,44,48,49/03;1,16,20,39/04	13221	54	15*,19,20,23,26,28,29,33,34/04	14040	65	29/04**	14224		N39/03*
						14041	12	29/04**	14225	17	39/03**
12282	34	43/03*;31/04	13223	37	16*,20,23,29/04	14042	3	34,42/03	14226	32	39/03**
12283	25	29/04*	13224	37	22*,26,28,33,34/04	14043	7	49/03	14227	28	39/03**
12284	15	42,48/03;26,33,39/04	13225	33	15,19,33/04	14044	44	47,49/03;1/04	14228	11	39/03**
12285	36	19*,36/04	13226	6	17*,19,29/04	14046	2	47,49/03;9/04	14229		N39/03*;N5/04
12286	29	42,52/03;28,36/04	13227	13	49/03;19/04	14058		N29/04*	14240	6	43/03**
12287	17	36/04	13228	11	22,23/04	14061	27	36/04	14241	23	39/03**
12288	19	9,36/04	13229	28	12*,13,19,22,23,24,30,34/04	14062	17	32,36/03;1,5,9/04	14242	13	40/03**
						14066	19	34,42,47/03;5/04	14243	8	39/03**
						14067	11	14/04	14244	5	39/03**

## SECTION I

NM 45/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 45/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
14245	4	39/03**	14854	13	15,38,44/04	16004	11	48/03	16594	13	1/04
14246	6	39/03**	14860	35	26,30/04	16005	9	36,48/03	16595	14	1/04
14247		N39/03*;N5,N6/04	14862	28	26,30,41/04	16006	33	32,35,36/03;1,15,21,27,	16596	12	1/04
14248		N40/03*	14864	26	1,8,41/04			28,31,44/04	16597	8	1,28/04
14249		N39/03*;N5,N36/04	14865	16	26,44/04	16011	36	44/04*	16598	9	1,28/04
14250		N40/03*	14867	26	39/03*;25/04	16012	21	34,50/03;44/04	16599	6	1,28/04
14251		N40/03*;N36/04	14869	26	8/04	16013	29	10*,32/04	16601	10	1/04
14252		N40/03*;N14,N39/04	14871	2	34/03	16016	20	9/04*	16603	8	48/03*
14253		N40/03*;N9/04	14880	31	15/04*	16041	8	48/03	16604	11	1/04
14254		N40/03*;N41/04	14881	31	8/04	16067	7	1/04	16605	9	44/04*
14259	3	40/03**	14883	43	15*,19/04	16081	6	1/04	16606	11	1/04
14260	47	39/03**	14886	11	41/03*	16082	7	25/04*	16608	4	46/03*
14263	15	40/03**	14901	14	7,10,26,41/04	16083	6	9/04*	16640	24	1,17/04
14264	4	40/03**	14902	28	8,10,26,41/04	16084	7	37/04*	16645	18	1/04
14280	37	40/03**	14903	23	31/03*;2,7,41/04	16085	6	15/04*	16646	12	1,25/04
14310	2	40/03**	14904	26	40/03*;1,26/04	16086	7	18/04*	16647	3	1/04
14319		N19/04*	14905	30	45/03*;7/04	16087	7	5/04*	16648	4	1/04
14325	13	6/04	14906	23	32/04	16102	5	9/04*	16660	29	17*,43/04
14327	8	42/04	14907	25	10/04	16104	5	37/04*	16661	6	17/04
14328	6	47/03;9,42/04	14908	18	22/04*	16124	6	3/04*	16663	7	17*,42,43,44/04
14329	5	32,47,49/03;1/04	14909	19	49/03;10/04	16200	13	36/03	16665	8	15*,42,44/04
14340	25	30,49/03;1,9,15,37,39/04	14910	23	24,41/04	16204	6	22/04*	16680	10	32,37/03;15/04
14341	5	34,47,49/03;37,39/04	14911	20	10,41/04	16206	7	46/03;5/04	16682	16	17/04*
14342	20	30,49/03;9/04	14912	17	31/03*	16220	5	36/03;15/04	16683	10	17/04*
14344	2	49/03	14913	18	31/03*;8,10,15,20/04	16240	10	15/04*	16700	29	41/04*
14345	5	49/03	14916	10	1,19,26/04	16300	9	25*,32/04	16701	19	37/03*;12/04
14349	7	42,47/03;5,6/04	14917	23	42/04	16305	10	25/04*	16702	11	37/03*;12/04
14353	3	42/03	14918	27	22*,24,26/04	16315	10	1/04	16704	13	12/04
14354	2	32,42,50/03	14919	27	1,7/04	16322	8	22*,42/04	16705	19	43/03;12/04
14355	3	50/03	14922	19	5,32/04	16323	9	3/04*	16706	10	12/04
14357		N49/03;N4,N15/04	14924	27	49/03;2,39/04	16338	4	17*,28/04	16707	10	5,12,17,26/04
14358		N34,N47/03;N1,N5,N15/04	14925	23	33/04*	16343	8	38/04*	16708	25	50/03;12/04
			14926	10	32*,47/03;7,8,10,20,24/04	16363	12	10/04	16709	22	11,12,26/04
14360	36	47/03;4,5,6,15/04	14927	24	47/03;7,8/04	16380	14	32/04*	16710	16	10,12,14/04
14364	6	4,39/04	14928	21	7,10,20/04	16382	10	6/04	16711	2	12/04
14373	2	34,49/03;1,4,39/04	14929	24	7/04	16420	10	46/03*	16712	1	12/04
14380	19	49/03;6/04	14930	25	15*,32,41/04	16423	2	47/03	16713	2	12/04
14386	3	6/04	14932	23	1,5,19,32/04	16431	7	50/03*	16723	15	6,12/04
14404	4	47/03	14933	24	1,30,32,40/04	16432	11	3/04*	16741	10	16/04*
14415	4	36/03	14934	27	1/04	16433	8	14/04*	16760	10	12,42/04
14420	27	40/03**	14935	21	1,10/04	16434	6	29/04*	16761	16	42/04
14756		N50/03;N11/04	14937	24	10/04	16435	6	24/04*	16762	9	12,14/04
14757		N15/04	14938	23	1,7/04	16440	14	44/04*	17003	4	35,36/03;6,42/04
14758		N32,N49/03	14942	25	1,40/04	16442	7	41/03*	17005	10	34,35,43/03;3,6,30,31,35,42/04
14769		N13/04**	14961	12	3*,26/04	16446	8	30/04*			
14771	17	32/04*	14962	20	16/04*	16450	2	34*,44/04	17008	12	36/03
14774	17	40/04*	14964	21	18/04*	16462	6	32/04*	17030	30	39/03
14782	24	47/03	14965	21	2/04	16463	7	3/04*	17302	18	49/03;32,43/04
14784	20	41/04*	14966	26	15/04*	16465	2	41/04*	17303	10	24*,32,43/04
14785	17	18/04*	14967	22	26/04	16467	2	40/04*	17316	20	25/04
14786	13	49/03;19/04	14970	26	45/04*	16474	8	18/04*	17317	20	18/04*
14791	18	22/04*	14972	26	32/04*	16477	7	18/04*	17318	5	39/03
14800	9	20/04	14974	24	5/04	16478	10	5/04*	17320	16	14*,39,42,43/04
14802	30	20/04	14975	33	43,49/03;10,24/04	16480	10	34,50/03	17323	10	29,39/03;5,25,31/04
14803	26	49/03	14982	9	16/04*	16484	7	14/04*	17324	13	39/03;5,43/04
14805	24	21/04*	14983	9	46/03*	16486	7	24/04*	17325	8	38/04*
14811	16	20/04	14985	9	41/03*	16487	6	20/04*	17326	13	43/04
14813	21	49/03;19/04	14986	9	46/03*	16490	8	6/04*	17327	21	46/03*;26,43/04
14814	24	36/04	14987	9	3/04*	16500	9	33/03	17328	7	10/04*
14815	23	41/04*	14988	10	41/03*	16501	7	16/04*	17330	8	10*,14/04
14816	24	17/04*	14990	4	6/04*	16511	7	17*,28/04	17331	7	14/04
14820	20	15*,24,35/04	14991	10	8/04*	16514	4	14/04*	17333	8	3*,14/04
14822	31	38/04	14992	11	32/04*	16515	7	38/04*	17335	6	14/04
14823	30	36/04	14993	12	16/04*	16516	7	24/04*	17336	8	14,17,28/04
14824	26	5*,19/04	14994	11	21/04*	16517	6	16/04*	17337	8	14/04
14826	27	49/03;8,20,30,35/04	15017	4	10/04	16520	22	25*,41/04	17338	13	14,31/04
14829	6	15*,30,32,35/04	15043	3	34,47/03	16522	6	16/04*	17339	11	14/04
14830	31	39/04*	15044	3	34,47/03;1/04	16528	16	33/03;6,41/04	17341	8	14/04
14832	34	49,51/03;24,26,38/04	15046	4	47/03;14/04	16529	15	24/04*	17360	33	31*,36/03;13,14,39,42/04
14833	26	18*,19,24,38/04	15061	3	50/03	16530	6	33/03;6/04			
14835	31	7/04	15064	1	50/03	16531	7	41/04	17362	10	14/04
14836	27	10/04	15066	5	32,47/03	16532	6	41/04	17363	13	14,41/04
14837	27	5/04	15067	2	47,49/03	16535	12	31/03;43/04	17365	12	14/04
14838	3	38/04	15070	4	47/03	16540	11	27,31,40/04	17367	11	14/04
14839	36	43,49,51/03;5,8,33,40/04	15074	1	6/04	16547	9	18/04*	17368	6	14/04
14841	28	14*,30/04	15080	1	47/03	16549	15	41/03*;32,42/04	17370	10	3/04*
14842	13	46*,51/03;10,26/04	15083	6	14/04	16553	4	22*,40/04	17372	11	48/03*;31,42/04
14843	23	18/04*	15160	5	50/03	16561	1	29,35,44/03;25,39/04	17375	21	25/04*
14844	32	18*,26/04	15163	2	50/03	16566	10	29,44,49/03	17376	7	44/04*
14845	27	14*,26/04	15300		N10/04	16570	10	32/04*	17377	1	16/04
14846	12	16*,33/04	15444		N19/04*	16575	1	1/04	17378	14	17/04*
14847	30	43,47/03;33/04	15563		N20/04*	16576	4	47/03*	17379	1	16/04
14848	57	45/04*	15690		N35/03	16580	12	9*,18,32/04	17381	10	16/04
14850	52	2*,24,43/04	15946		N47/03	16590	10	1/04	17382	15	36/03;13,16,28,43/04
14852	45	2,10,15,21,24,26,36,43/04	16003	16	36,48/03	16591	9	16/04*	17383	2	31/04*
14853	15	39*,44/04				16592	9	1,18/04	17384	8	15*,43/04
						16593	11	1/04	17385	14	13,16,18,43/04

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17386	3	16,18,39,42/04	18415	8	32,39,47,50/03;3,9,10,22/04	18602	12	47/03;1,14,41/04	18775	2	N1,N16,N34/04
17387	13	16/04	18416	6	46/03;17,31,33,42/04	18603	16	5,16/04	19002	9	N29,N46/03;N6,N8,N12,N16,N22,N23,N24,N26,N29,N36,N41/04
17400	16	44/03;14,16,32,39,42/04	18418	6	31,33/04	18620	23	4,7,24,27/04	19004	37	18*,23,24,26,36,41/04
17401	11	18/04*	18419	11	46/03;1,9/04	18622	53	30*,43/04	19007	17	21*,23,26,36,41,43/04
17402	10	16,39,42/04	18420	1	47,49,50/03	18623	11	4,7/04	19008	4	29,46/03;10,12,16,19,23,26,36,41,43/04
17403	13	16/04	18421	46	50/03*;8,9,17,22,27,35,42/04	18626	15	32/04	19009	4	29,46/03;10,12,16,19,23,26,36,41,43/04
17404	12	16/04	18423	34	12*,13,17,22,27,28,31,35,42/04	18640	24	38,42/03;4,33/04	19010	18	18*,19,22,23,24,26,36,41/04
17405	14	46/03;16,18,26/04	18424	25	45/03	18643	17	33,41,43/03;19,33/04	19013	17	18*,22,23,24,26,36,41,43/04
17406	7	17*,26/04	18427	22	18/04*	18645	24	33,38/03;5,33,36,37/04	19016	10	3*,19,43/04
17407	15	10/04*	18429	9	27/04	18649	63	48*,50/03;2,5,11,16,19,20,21,25,31,33,36,40,41,42/04	19320	16	6,8,12,22,41/04
17408	8	34/04*	18430	8	5*,17,27/04	18650	52	47/03*;11,19,20,21,36,40,41,42/04	19322	8	14/04*
17409	10	44/03;16/04	18431	6	1,22/04	18651	42	48/03;16,41/04	19324	22	13/04
17412	2	49/03	18432	5	22/04	18652	32	36*,40,43,46,48,49/03;5,11,16,19,20,25,26,29,33,36,38,40,41,43,45/04	19327	10	43/03
17413	2	44/03;32/04	18433	5	32,36/03;9,17,22,42/04	18653	9	43,50/03;16,20,25,33/04	19329	8	10/04*
17420	26	36/03;13,30/04	18434	5	2*,13,17,35/04	18654	43	22*,33,45/04	19330	10	14/04*
17422	8	13,29/04	18440	27	3*,8,21,22,28,30,35,39,41,42/04	18655	58	33,38,45/04	19331	7	43/03
17423	13	13/04	18441	43	39*,45,47,51/03;6,8,17,22,28,31,35,39,41,42/04	18656	53	33,40,43,48/03;11,26,29,33,38,43/04	19339	1	N30,N47/03;N8,N10,N23,N24,N26,N36/04
17424	7	22/04*	18443	16	16*,31/04	18657	18	40/03;26,38/04	19340	26	29,30,36,47/03;8,10,13,23,24,26,36/04
17426	14	44/04*	18444	15	34/03;1,31/04	18658	30	17*,26,38/04	19342	10	15*,19/04
17427	7	36/03	18445	30	13*,21,22,28,30,35,39,41,42/04	18659	14	43,48/03;29,38,43/04	19347	17	29/03;23/04
17428	7	36,43/03;13,29,44/04	18446	16	47*,51/03;8,22,28,39,41/04	18660	2	29*,43,49/03;21,26,29,40/04	19348	8	15/04*
17429	2	N13,N29/04	18447	27	28/04*	18661	27	43,49/03;13,17,21,26,29,40/04	19351	9	23/04
17430	10	36/03;13,44/04	18448	33	1*,8,13,17,21,22,28,30,35,41,42/04	18662	20	43,44/03	19353	12	6/04
17431	11	21/04*	18449	18	50*,51/03;6,22/04	18663	5	43/03;17/04	19357	22	30,36,47,50/03;10,13/04
17432	7	23/04*	18450	18	18*,22/04	18666	1	33,48/03;38/04	19359	11	8/04*
17434	12	33*,44/04	18451	16	34,38/03	18680	30	33,35,38,40/03;19,31,33,36,37/04	19361	8	5/04*
17435	16	40,49/03;13/04	18452	24	36,38,42/03;6,22,35,41/04	18682	14	10*,37/04	19362	12	10,13,14/04
17436	6	19/04	18454	4	N28,N42/04	18685	32	36*,46/03;17,19,22,33,36/04	19366	36	50/03;10,13,14/04
17437	7	22/04*	18455	2	N34,N38/03	18686	13	34/04	19367	37	50/03;30/04
17438	12	36/03;22,30/04	18456	19	21,30/04	18700	22	40/03*;13,21,34/04	19369	5	36,50/03;10,14,30,37/04
17441	7	22,30/04	18458	15	34,38/03;13/04	18703	25	40/03*;7,13/04	19379	1	N30,N46/03;N12,N13,N16,N22,N29/04
17443	12	36/04	18459	5	N34,N38/03;N13/04	18704	13	30/04*	19380	15	8*,12,16,22/04
17445	2	36/03;22,30/04	18460	11	43/03;3,17,30,31,35/04	18704	13	30/04*	19381	8	7,12,16,22,29/04
17460		N19/04*	18464	23	30/03	18720	31	11,21,23,24,25,29,34,38/04	19383	17	23/04
17464	4	12/04	18465	36	18*,27,28,31,33,35,42/04	18721	11	39/03;21,34/04	19385	8	3*,16/04
17470		N41/03	18471	9	36/03*;8,28,42/04	18723	3	34/04	19387	9	N46/03;N12,N23,N43/04
17471		N47/03*	18473	7	34,38,45,47,51/03;6,8,22,28,35,39,41,42/04	18724	1	15,23,32/04	19388	2	N46/03;N43/04
17472	4	36,41/03	18474	8	5*,8,22,30,35,41,42/04	18725	27	32/03*;19,21,23,24,25,32,36,38,40/04	19480	7	6,35/04
17480	4	36/03	18475	1	35/03	18727	12	42/04*	19482	9	6/04
17482		N41/03	18476	5	18*,39/04	18728	8	29/04	21005	5	15/04
17483		N41/03	18477	5	6,22,28,35,39,42/04	18730	1	N29/04	21008	62	36/03
17484	3	41/03;31/04	18480	29	43/03;3,6,30,31,35/04	18730	1	N29/04	21033	46	1/04
17485	4	41/03	18484	11	18*,30,31/04	18740	40	46*,49/03;1,5,7,14,19,22,23,24,25,26,28,29,31,34/04	21036	7	1/04
17513		N9,N12/04	18485	15	29/03;17,30,31,35/04	18741	18	N38/03;N1,N7,N14,N19,N22,N25,N26,N31,N34/04	21125	13	36/03
17515	7	36,43/03;12,33/04	18500	29	22*,35/04	18744	31	29*,32/04	21140	1	36/03;7,19,22/04
17517	8	34/03;30/04	18502	85	33*,37,45/04	18746	35	11*,19,25,36/04	21160	1	15/04
17518	7	41,47/03;10,17,42/04	18504	65	35/03;3,21,27,37/04	18749	38	31,39,41,49,50/03;5,7,22,31,34/04	21180	1	15/04
17520	2	N34/03	18520	24	14,22,35/04	18751	42	31,39,46,49,50/03;5,7,19,22,31,34/04	21384	4	11/04*
17523		N19/04*	18521	70	5*,13,14,19,20,31,35,38,42,43,45/04	18754	17	39*,43/03;23,34/04	21401	20	37/04
17524		N49/03	18523	54	5*,8,13,19,20,27,31,41,43/04	18756	8	14/04*	21441	27	15,31/04
17525		N43/03	18524	34	30*,31,37,42,45/04	18757	10	41/03;5,36/04	21482	1	36,46/03
17526		N19/04*	18525	34	25*,31,42,45/04	18758	6	33,49/03;4,11,13,23,41/04	21520	1	29/03
17528		N19/04*	18526	56	15*,17,19,20,31,42,45/04	18760	6	N35,N36,N44/03;N1,N7,N11,N19,N21,N22,N24,N25,N26,N29,N34,N42/04	21521	14	29/03
17543	17	43/03;14/04	18527	21	48/03	18761	2	N1,N16,N28,N34/04	21525	19	38/03
17545	13	43/03;12,14/04	18531	21	15*,19,20,22,31,41,45/04	18762	15	1,16,28,34,45/04	21543	13	9/04
17546	22	34,35,43/03;14/04	18532	20	52/03	18763	10	18*,23,28,34/04	21544	20	24/04
17548	28	43/03;30/04	18539	9	21/04*	18765	15	46/03;7,14,16,19,20,22,26,36/04	21546	3	24/04
17549	6	3/04	18543	2	15/04*	18766	7	36/03;7,19,22,26/04	21563	3	38/04
17550	4	43/03;3,6,31,35/04	18545	15	50/03*	18768	4	N36,N38/03;N7,N19,N22,N26/04	21580	40	52/03
18000	8	36,44/03;11,21,22,42/04	18546	10	19/04*	18769	2	N1,N34,N45/04	21581	5	41/03
18002	6	N36,N44/03;N11,N21,N22,N34,N42/04	18551	8	18/04*	18772	47	48/03;23,36/04	21582	3	16/04
18003	19	41,43/03;3,6,22,30,35/04	18553	7	24/04*	18773	39	40*,41/03;4,14,23,31,34,43/04	21584	2	41/03
18005	4	N40/03;N4,N10,N21,N31,N33/04	18555	25	17/04*	18774	10	49/03;4,11,13,14,19,23,25,26,31,36,41/04	21601	4	31/03
18006	3	N21,N34/04	18556	37	48/03;1/04				21602	1	18,37/04
18007	31	35,41/03;4,5,6,7,16,22,24,27,33,35/04	18557	12	12*,22/04				21603	9	31,36/03;11/04
18008	7	N35,N37,N41/03;N4,N5,N6,N7,N16,N22,N24,N27,N33,N35/04	18580	21	51/03;17/04				21604	25	4/04
18009	2	N40/03;N10,N31,N33/04	18581	17	36,50,51/03;14,38,42/04				21605	7	31/03
18010	20	33,40,47/03;4,5,7,16,24,27,31,33,36,37/04	18583	38	43/03;38,39/04				22004	38	29/03;2,7,32/04
18020	37	47/03*;1,4,7,11,19,21,22,24,25,26,29,31,33,34,36,42/04	18584	47	30,48,52/03;1,13,27,37,42/04				22008	35	29,32,38,47/03;7,25,32,33,40/04
18022	34	3*,4,7,11,13,19,21,22,23,24,25,26,28,29,31,33,34,36,37/04	18587	69	30*,38,42,43/04				22012	31	29,32/03;25/04
18400	44	41*,43,47,49/03;3,8,10,17,27,28,30,31,35,42/04	18588	37	36/03;22,26,31,38/04				22032	20	40/03
18401	12	34/03	18589	15	44/03;22,41/04				22036	28	51/03;2,21,22/04
18409	8	41/03;42/04	18600	14	44,47/03;5,16/04				22051	19	39/04*
18412	10	35/04	18601	13	1/04				22052	7	24/04*
18414	9	3/04							22053	4	N20/04**
									22054	1	20/04*
									22082	4	38/03;20/04

## SECTION I

NM 45/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 45/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
22084	4	35,37/03;15/04	22433	3	35/03;22/04	24293	6	37,42,46/03;33/04	26050	1	47/03
22090	2	33/04	22434	2	35/03	24294	22	37,46/03	26060	1	42/03
22101	19	37/03	22437	2	22/04	24355	2	37/03	26068	11	50/03
22102	19	25/04	22461	1	21/04	24370	1	48/03;1,44/04	26081	8	42,43/03;16/04
22103	2	25/04	22471	31	2,6,8,22,27/04	24375	2	38/03;44/04	26083	14	19/04
22111	4	33/04	22481	35	2/04	24376	1	38/03	26100	4	31/03
22112	3	37/03;5,10,25,33/04	22482	16	9/04	24380	2	48/03;1/04	26122	30	30/04
22113	8	5,10,25,33/04	22492	3	34/03	24381	14	28/04	26125	3	41/03
22114	5	33,37/03;5/04	22521	3	34/03;33/04	24390	3	28/04	26127	21	11/04
22117	3	37/03;5/04	22523	3	34/03;33/04	24404	9	34/04*	26129	11	41/03
22120	3	29,32/03;7,32/04	22529	3	35/03	24430	5	31,52/03;24,34/04	26130	20	11/04
22121	9	29,32,47,51/03;18/04	22531	2	35/03	24431	14	31,52/03	26147	31	19/04
22124	2	29,32/03	23000	5	51/03	24433	3	52/03	26186	17	14/04
22125	1	32/04	23010	4	24/04	24434	4	52/03;34/04	26188	11	15,44/04
22130	2	29,32,38/03;2,7,32/04	23030	6	37,42/03;14/04	24435	5	34/04	26218	2	31/03
22138	3	11/04*	23071	3	24,29/04	24444	2	23/04	26219	5	31/03
22140	2	47/03;7,32/04	23121	7	19/04	24450	3	47/03;6,30/04	26220	6	11/04
22142	2	40,47/03;7,32,41/04	23123	3	19/04	24460	4	29,32,47/03;30,45/04	26224	32	35/04
22143	4	29/03;11,25/04	23124	3	N19/04	24461	4	38,47/03;30/04	26229	11	31/03;9,32,35/04
22160	2	7,41/04	23125	4	19/04	24462	5	29/03	26230	12	31/03;9,32,35/04
22170	3	25,33,40,41/04	23131	7	30/04	24463	6	38/03;13/04	26237	3	43/04
22172	8	29/03;11,41/04	23141	7	37/03	24465	6	38/03	26244	3	40/04
22173	36	29/03;11,17,21,33,40,41/04	23142	10	37,47/03	24470	4	13,34/04	26247	19	43/04
			23145	3	37,51/03;14/04	24480	1	42,48/03;21/04	26250	18	40/04
22180	2	32/03	23153	8	49/03	24481	7	34/04	26259	2	40,43/04
22181	17	10*,17,40,41/04	23159	2	25/04	24482	2	31/03	26282	6	34/03
22182	7	10*,11/04	24004	36	41,42,46/03;33/04	24484	3	31/03	26295	1	34/03
22183	4	52/03*;21/04	24016	53	13/04	24491	3	32/04	26308	5	34/03
22190	2	29/03	24028	6	28,44/04	24492	20	32/04	26309	27	11/04*
22221	20	31,34/03;1/04	24050	11	31,32,33,51,52/03;6,14/04	24500	1	7/04*	26310	1	N48/03*
22222	1	31/03;1/04				24502	6	34,47/03;41/04	26320	5	31,40/03;19/04
22225	2	40/03	24052	16	39/04*	24504	7	42,48/03;21/04	27005	4	34/03;19/04
22233	29	37/03	24055	6	42,50,51,52/03;6,26/04	24508	3	24/04	27040	5	40/04
22234	1	1/04	24057	5	43/04*	24509	2	34,42/03;12,21,30/04	27041	4	40/04
22250	2	4/04	24058	2	29,30,42,44/03;7,9,33/04	24510	2	42/03;21,24,30/04	27042	21	41,42/03;10,40/04
22252	18	2,21/04	24060	2	32/03	24511	2	42,48/03	27044	27	40/04
22259	4	2,36/04	24091	6	46/03;22/04	24512	3	38,42/03;24/04	27060	2	34/03
22262	3	13/04	24092	14	22/04	24513	18	38,42/03;24/04	27061	5	28/04
22263	1	37/03;4/04	24100	5	46/03	24517	2	40,42/03	27080	4	39,52/03
22264	2	37,41/03;36/04	24103	3	10/04	25001	7	52/03	27081	6	19/04
22275	3	2/04	24110	3	35/03	25017	5	31,34,39,52/03;15/04	27082	6	19/04
22281	9	4,13/04	24130	14	33/04	25018	9	31,34,39,52/03	27083	39	4,24/04
22282	17	4,14/04	24133	6	31/03;36,37/04	25400	2	20/04*	27120	4	16,30/04
22283	3	N14/04**	24140	18	41,42,46/03;6,7,11,22/04	25480	1	52/03;8/04	27122	5	19/04
22284	7	N5/04**	24141	4	37/04	25481	25	8,26/04	27160	2	35/03
22285	1	14/04*	24142	43	7,11/04	25482	16	43,44/04	27206	18	9,25/04
22286	1	5*,13/04	24149	1	52/03	25483	20	8,33/04	28004	1	27/04
22290	4	30/03	24150	27	41,47/03;6,7/04	25485	45	36/03;10,30/04	28006	1	27/04
22293	15	37,38/03;21/04	24151	4	41/03;6,7/04	25487	2	36/03;10,30/04	28050	3	42,47/03
22294	15	16,21/04	24152	2	41,47/03;6/04	25524	43	32/03;23/04	28154	2	38/03
22305	2	30,34/03;27/04	24153	6	39,47/03;6/04	25525	17	23/04	28165	20	20/04*
22311	19	13/04	24154	12	33/04	25526	2	32/03;23/04	28167	4	16,33/04
22312	2	30/03;9/04	24155	6	46,49/03	25527	31	32/03	28168	22	16,33/04
22313	2	38,40/03;13/04	24160	21	47/03;10,15,22,33/04	25566	27	30/03	28170	1	38/04
22314	1	40/03	24161	11	32,39,40,47/03;10,26,33,36/04	25575	4	35,39/03;14,15,18,44/04	28190	2	16,30/04
22322	11	33/03**				25600	47	1/04	28196	4	16,30/04
22331	2	N1,N2,N27/04	24162	9	32,39,40,42,47,52/03;10,26,36,37,40/04	25601	34	37/04	28197	4	16,30/04
22335	4	52/03;27/04				25607	4	48/03;31/04	28221	18	16/04
22341	9	29,52/03;2,27/04	24164	6	39,41,47/03	25608	22	33/04*	28260	30	16/04
22342	9	29/03	24170	14	35/03;9,22/04	25609	5	1/04	28263	3	16/04
22343	1	N41,N52/03;N2,N27/04	24171	19	37,52/03;16,22,26,33/04	25610	8	2/04	28300	1	16/04
22344	6	N52/03	24172	4	22/04	25611	22	1/04	28302	16	7/04
22351	1	N35,N41,N52/03;N2,N27/04	24180	15	40/03;36/04	25613	3	20*,25/04	28310	2	7/04
			24190	15	35/04	25640	41	22/04*	29002	9	29/03
22352	6	35,52/03;1,2,27/04	24200	14	9,13,35/04	25641	27	15/04*	29012	8	7/04
22360	2	52/03;2,27/04	24201	5	49/03;9,35/04	25645	17	15/04	29015	5	7/04
22361	2	N30,N32,N33,N34,N52/03;N2,N27/04	24202	6	31,35,46/03;21/04	25647	10	16/04	29040	3	39,48/03;7,14,45/04
			24203	36	49/03	25649	19	44/03*	29101	6	7,8,13/04
22370	2	30,33,34/03;2/04	24210	14	42/03;29/04	25650	34	25/04*	29104	4	45/04
22371	5	30,32,33,52/03;2,4,27/04	24211	7	36/04	25653	13	14,21,29/04	29105	5	49,50/03;8,11,45/04
22373	1	N30,N32,N33,N34/03;N3,N27/04	24215	1	29/04	25654	13	14,21,29/04	29106	5	34/04
			24220	14	39/03;29/04	25655	12	41/04*	29107	2	29,36/03;21/04
22375		N37/03	24221	16	29/04	25661	12	40/04*	29121	5	8,12,13/04
22377	1	N2,N4/04	24222	3	39/03	25663	27	30,39/03;29/04	29122	5	34/04
22379	1	N30,N32/03	24223	33	39/03;33/04	25664	15	30,39/03;29/04	29124	1	21,34/04
22395	2	30/03	24224	1	15/04*	25666	17	11/04	29127	4	29,39,42/03;21,34/04
22401	4	N30/03	24230	20	52/03;9/04	25668	19	34/04*	29141	3	29,39/03
22407	1	N30/03	24233	15	9,22,33/04	25670	42	2*,14,41/04	35000	26	42/04
22409	4	N36/04	24234	3	35/03	25671	18	21/04	35001		N28*,N37/04
22410	32	40/03	24240	5	39,46,52/03;44/04	25673	15	43/03;36/04	35002		N19*,N37,N42,N43,N44/04
22412	2	2,4/04	24250	5	39/03;13,22,44/04	25677	20	32*,39,52/03			
22415	8	2,4/04	24251	23	39/03	25679	10	11,15,31/04	35003		N19*,N37/04
22417	1	N1/04	24252	5	39/03	25681	16	34,39/03;15,32/04	35004		N19*,N37/04
22420	2	30,40/03	24270	3	29/03	25683	18	32*,34,39,52/03;36/04	35005		N23*,N30,N37,N42,N44/04
22421	4	N4/04	24271	14	29/03	25685	9	52/03			
22427	1	N40/03;N9/04	24274	2	29/03	25687	12	30/03*	35006		N24*,N42,N43/04
22430	6	22/04	24292	4	22/04	25848	25	11/04	35008	21	23/04

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
35009	19	28/04**	37010	23	29,30,43,50,51/03;5,8,12,15,32,39/04	37175	2	38/04**	38482		N32,N33/04
35010		N28/04*				37180	20	38/04**	38483		N32/04
35011	2	31/04	37025	26	31,33,34,36,38,41,43/03;3,4,10,11,15,26,43/04	37182	14	38/04**	38500	6	32/04
35013		N23/04*				37200	15	30,35/03;15,23/04	38501	2	32/04
35014		N23*,N41/04	37030		N28*,N37,N41/04	37205	2	30,40/03;15/04	38540	4	34/04
35016	17	31/04	37031		N34/04*	37221	13	29,30,32,50,51,52/03;5,8,11,16,18,19/04	38545		N34/04
35025		N23*,N42/04	37032	2	31,38,42,43,45/03;3,4,9,15/04	37222	13	30,46,52/03;16,32/04	38546	2	32/04
35027		N24*,N42/04				37223	14	30,32,34,35,39,43/03;7,11,16,21,24,39/04	38560	5	32/04
35028		N28*,N42/04	37033	2	33/03;15,17,43/04				38561		N34/04
35032	16	12/04	37034	2	33,41/03;10,15,P18,22/04	37224	11	30,37/03;16/04	38565		N32,N34/04
35034		N31/04*				37226	17	51/03;32/04	38580	8	34/04
35035		N28*,N29/04	37035		N34*,N42/04	37228	14	29,30/03;44/04	38581	3	34/04
35036	21	43/03;12,13/04	37036		N34*,N37,N41,N45/04	37231	18	50,52/03;8,19,21/04	38582	2	34/04
35037		N31/04*	37037		N34/04*	37232	12	29,31/03	38585	4	34/04
35038		N32/04*	37038		N34*,N37/04	37233	13	31/03	38588	7	30,34/04
35039		N32/04*	37039		N36*,N38,N42,N44/04	37234	11	5/04	38589		N34/04
35040	18	24/04**	37043	17	43,46/03;12/04	37235	6	30,33,37,40,41,45/03;7,25,30/04	38591		N34/04
35041	8	23/04**	37046	18	43,46/03;12/04	37238	17	30,32,33,35,37,39,43,45/03;7,29/04	38607	2	1,14/04
35042	9	24/04**	37050	9	12,26,31,32,44/04				38610	1	1,13,38,45/04
35043	5	28/04**	37051		N37*,N42,N45/04	37241	10	30,32,35,39,43/03;11/04	38641	4	3,13/04
35044	9	36/04**	37052		N36*,N42,N44/04				38650	1	3,12,13/04
35045		N32/04*	37053		N43/04*	37242	7	30,32,37/03;24/04	38670	2	1,13/04
35046		N32*,N37/04	37054		N37/04*	37243	11	30,32,33,35,37,39,43,45,46/03;7,20,24,25,29,31/04	38682	3	13/04
35047	5	31/04**	37055		N37*,N38/04	37244	18	30,32,35,40,41,43,45/03;7,12,20,22,25,29,31,38,39/04	38683	3	13/04
35048		N32/04*	37056		N37*,N38/04				38690	2	13/04
35049		N33/04*	37057		N38/04*	37246	14	30,32,33,35,39,40,43,45,46/03;1,11,22,24,25,29,31,38/04	41060	3	52/03
35050		N28*,N37/04	37058		N38/04*				41100	2	N46,N52/03
35051		N33*,N37/04	37059		N38*,N42/04	37248	18	30,32,35,40,41,43,45/03;7,12,20,22,25,29,31,38,39/04	42004	1	N13,N16/04
35052		N33/04*	37060	3	43,46/03;12/04				42036	2	43/03
35053		N33/04*	37062		N38*,N42/04				42038	2	43/03;16/04
35054		N33/04*	37063	21	43/03				42040	3	16/04
35055		N23*,N42,N44/04	37075	3	43/03;12/04	37258	4	27,32,33,45/04	42046	3	16/04
35060	14	28/04**	37080	3	12,23,26,27,31,32,33,37,44,45/04	37261	10	27,32,33,38,45/04	42052	2	16/04
35080	16	23/04**				37262	20	27,32,33,45/04	42141	3	6,12/04
35081	15	28/04**	37081	23	32,33/04	37263	3	33,37,44,45/04	42160	3	38/03;12,42/04
35082	7	31/04**	37082	9	24,33/04	37264	3	32/03	42301	3	38,52/03;15/04
35083	8	32/04**	37090	8	12,23,26,27,29,32,37/04	37265	3	45/04	42560	5	31,38,40/04
35084	15	32/04**	37095	3	32,39/03;27,29,38,44,45/04	37266	3	45/04	42580	5	40/03;44/04
35085	3	32/04**				37281	15	29,33,37,45/04	42600	5	30,40/03
35086	5	32/04**	37103	9	12,26,44/04	37320	16	36,38,44/03;7,12,21,26,27,31,32/04	42620	5	38/03;44/04
35087	3	33/04**	37104	3	44/04				42640	6	38,40/03
35088	2	28/04**	37106	4	32/03;26,44/04	37325	8	38/04	42660	5	38/03
35099	3	33/04**	37110	11	31,32,39/03;12,26,32,38,44/04	37326	2	36/03	42740	5	31,40/03;44/04
35100	14	23/04**				37328	2	26,33,37,39/04	42742	3	30/03;11,13/04
35101	6	33/04**	37111	1	27/04	37330	2	27,31,32,33,44,45/04	42760	5	47,52/03;2,11,13/04
35103	5	33/04**	37115	2	31,32,39/03;12,26,32,44/04	37342	3	45/03;12/04	42762	3	N30,N47,N52/03;N11,N13,N20/04
35120	13	23/04**				37343	10	12/04			
35130	3	24/04	37120	2	30,32,39,42,43,44,45/03;12,20,24,25,26,27,31,32,38,39,44/04	37344	11	38,45/03;13/04	42765	3	47,50/03;2/04
35136	2	24/04				37360	15	31,36,38,39,43,44,45/03;9,11,12,13/04	43000	4	16/04
35200	7	28/04**				37362	6	32,33,38,39/03;12,14/04	43015	12	42/04
35205	3	31/04	37121	11	12,26,27,32,33,39,43,44/04	37363	8	32/03	43030	24	30,32,46,48/03;1,3,6,8,9,14,15,16,17,19,20,23,28,29,30,37/04
35210	3	31/04				37380	2	38,39,41,43/03;7,11,12,13,19,21,23,39/04	43040	6	38,47/03;2,16/04
35299	9	43/04	37122	12	31,44,45/03;12/04				43041	2	16/04
35350	2	23/04	37123	9	27/04	37400	10	31,34,36,41,43,46,47/03;1,7,9,11,19,21,23,39/04	43058	3	16,37/04
35363	1	12/04	37125	15	27,32,33,39,43,44/04	37402	7	1,30/04	43059	3	16,37/04
35365	1	12,23/04	37126	8	38,39,43,44/04	37403	23	41/03;37/04	43060	4	16,37/04
35380	8	12/04	37127	11	27/04	37420	1	41/03;9,37/04	43062	2	16/04
35390	2	12/04	37129	6	30,42,45/03;7,20,26,27,31,32,38/04	37421	8	41/03	43063	2	16/04
35400	11	18/04				37428	5	41/03	43064	2	16/04
35420	13	12,18/04	37133	4	28/04**	37441	4	37/04	43079	2	21,30/04
35424	3	18/04	37134	5	34/04**	37443	2	38,45/03;7,37/04	43080	4	44/03;16,20,22,37,41,43,45/04
36005	2	31,43,44/03;13,23,26,27,31/04	37136	6	34/04**	37445	1	34,38/03;28/04	43081	4	16,37/04
			37137	6	34/04**	37446	2	34/03;28/04	43082	5	47/03;20,21,30,37,41,43/04
36010	27	43/03	37138	5	34/04**	37461	9	36,50/03;3,15,25,26,33,35,37,44/04	43083	4	16,20,22,23,37,41,43,45/04
36015	2	44/03;13,26/04	37139	8	36/04**	37463	6	43/03;1,2,3,4/04	43084	3	16,23,41,43/04
36032		N39/04*	37140	33	30,32,42,43,44,45/03;12,24,25,26,27,32,39,44/04	37481	7	30/03;17,20,21,25,36,39,40,41,43/04	43100	4	22,29,41,45/04
36033		N39/04*							43101	3	29,41,43,45/04
36034		N39/04*	37141	29	31,45/03;23/04	37501	3	33/03;32/04	43102	4	29,41,45/04
36035		N39/04*	37145	23	37/04**	37505	2	33,41/03;15,41/04	43103	4	29/04
36036		N41/04*	37147	15	36/04**	37506	4	33,48/03;11,26,32/04	43104	4	29/04
36040	16	6/04	37148	13	43/04**	38040	5	34/04	43106	6	44/03;7,10/04
36060	17	2,17/04	37149	10	37/04**	38041	1	34/04	43107	1	7/04
36120	9	17/04	37150	8	37/04**	38044		N34/04	43120	4	5,7/04
36125	7	30/03	37161	14	37/04**	38100	4	33/04	43122	3	7/04
36137	4	39/04**	37162	12	30,32,33,35,37,39,40,41,43,45,46/03;7,29,39/04	38105		N33/04	43123	3	7/04
36138	3	39/04**				38200	2	33/04	43125	5	3,5,7,10/04
36139	4	39/04**	37163	19	32,43/03;11,12,22,25,31/04	38266	1	33/04	43125	7	44/03;7,10/04
36140	12	39/04**				38320	3	35/03	43126	4	5,7,20,25,41/04
36141	7	41/04**	37164	4	30,32,35,37,43,46/03;7,22,24,39/04	38460	7	32/04	43127	5	1,3/04
36143	4	30,43/03				38461		N32,N33/04	43140	4	35,38/03;1,5,25,30,41,45/04
36161	10	21/04	37165	2	30,32,34,35,37,39,43,45,50,52/03;1,5,7,8,11,15,39/04	38463	2	N32/04	43141	5	5/04
36165	6	30,43/03;21/04				38480	6	48/03;32/04			
36180	23	44/03;13/04									
36181	18	13/04	37166	2	30,32,33,34,35,37,39,40,41,43,45,46,51/03;7,11,12,21,25,39/04						
36182	6	13/04									
37000	22	43/03									
37005	16	29,30,50,51/03;5,8/04	37170	11	38/04**						

## SECTION I

NM 45/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 45/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
43142	4	1/04	43382	2	48/03;14/04	44182	4	42,43,46,48,49/03;1,2,6,8,12,15,18,23,26,27,38,43/04	44444	6	30,34,35,36,38,41,52/03;7,13,20,21,26,40/04
43144	4	43/03;20,21,22,25,30,38/04	43384	1	32,44/03;2,5,9,11,21,22,23,29,30,42/04				44461	10	31,36,47,50/03;22,30,43/04
43145	4	20,25,30,38/04	43385	1	42,46,49,51/03;8,11,12,19,21,22,33,42/04	44183	6	35,39,43,46,49/03;2,13,14,15,28,40,43/04	44462	4	39/03
43146	2	34,35,44/03	43386	2	47/03;24/04	44184	9	32,48,52/03;8,11,21,24,27,40,42,43/04	44463	9	22/04
43147	3	35,38/03	44000	16	44/03;19,42/04	44185	7	32,48,50/03;9,11,14,18,40,43/04	44465	2	47/03;22,43/04
43148	4	43/03	44001	2	50/03;8,9,11,18,19,36,38/04	44187	2	29,49/03;1,3,11,12,16,21,23,24,40,42/04	44481	2	31,50/03;17/04
43150	2	N34,N35,N38,N41/03;N20,N21,N22,N30/04	44015	8	40,44,47,50/03;1,8,9,11,18,19,20,22,27,36,37,40,42/04	44188	2	39,44,48,50,52/03;2,6,22,33,40,43/04	51002	7	4/04
43160	6	34,35,36,38,41/03;20,21,22,30/04	44030	7	48,50/03;13,20/04	44192	1	39,43,44,48/03;1,2,5,8,9,11,14,15,24,28,30,33,40,41/04	51007	22	33,40/03;9,10,14,34/04
43161	2	35,41/03	44036	5	30,32,52/03;5,16,28,30/04	44193	1	43,48,50/03;5,6,9,12,14,15,25,27,32,42/04	51013	4	33,36,45/03;14,19,30,34/04
43162	3	41/03	44037	5	52/03;27/04	44200	9	37,43,47,50/03;12,20,21,25,33/04	51017	31	40,44/03;21,29,30,40,43/04
43163	3	41/03	44038	5	46/03;18/04	44201	1	40,46/03;6,11,22,30/04	51022	11	44/03;21,29,30,40,43/04
43164	3	34/03;20,21,22,30,38/04	44040	23	30,32,44,52/03;1,5,6,16,19,28,29,30,41/04	44202	1	40,41,45,46,50/03;9,21,22,23,30/04	51027	8	45/03
43165	2	21,22,23,38/04	44041	7	52/03;3,8,9,13,20,26,27,28,41,44/04	44203	5	40,45,46,48/03;3,11,20,23/04	51032	10	45/03
43166	2	43/03;23/04	44042	7	29,32/03;9,12,13,15,20,22,25,26,27,28,37,41,42,44/04	44204	1	50/03;9,20/04	51061	14	4,34/04
43167	5	36,42,44/03;20,21/04	44043	8	52/03;9,16,26,27,28,41,44/04	44205	2	29,31,39,43/03;11,20,22,23,27,43,44/04	51062	28	34/04
43168	2	36,42/03	44044	6	44/03;9,16,24,25,27/04	44206	1	40,46/03;6,11,22,30/04	51081	10	45/03;6,19,20,29/04
43180	5	44/03;22,38,45/04	44045	6	44/03;5,16,41/04	44207	1	40,41,45,46,50/03;9,21,22,23,30/04	51082	7	45/03;19,29/04
43181	3	43/03;41,45/04	44046	10	1,6,19,27,29/04	44220	5	40,45,46,48/03;3,11,20,23/04	51100	7	33,34,41/03;10,P18,19,22,23,30,40/04
43182	4	22,30,41,45/04	44047	22	30,31,32,40,48/03;16,29,30/04	44221	1	52/03;3,11,37/04	51103	10	17,23,26,34,37,39/04
43200	3	22/04	44048	11	31,40,48/03;9,13,16,21/04	44222	1	48/03;11,12,15,23/04	51104	1	17,23,34,37,39/04
43201	2	N21,N22/04	44049	9	30,31,40,48,50/03;1,2,9,12,18,26,29,30,33/04	44224	1	42/03;3,19/04	51109	5	5,12/04
43202	3	22/04	44051	1	1,2,9,25,26,33/04	44240	8	39/03;3,20,37,38,42,43/04	51120	6	4/04
43203	3	22/04	44057	5	29,30/03	44243	2	17,22,24,26,31/04	51135	1	46/03;4,5,25,27/04
43204	4	36/03	44061	21	32/03;1,6,17/04	44260	7	48,52/03;5,13,16,17,32,42/04	51142	2	33,40,45/03;29/04
43206	3	14,45/04	44062	8	40/03;1,17/04	44280	9	34,44,47,50/03;11,32,38/04	51143	4	40,45/03;9,29/04
43240	4	12/04	44063	8	1/04	44281	2	45,49,50/03;11,12,19,37,38,42/04	51144	3	46/03;9/04
43244	4	12/04	44064	19	1,6,15,27/04	44282	1	14,20/04	51145	2	41/04
43245	4	12/04	44065	7	6,19/04	44283	2	43,45,49,50/03;13,37,42/04	51146	3	36/03;41/04
43247	5	44/03	44066	10	31/03;6/04	44284	2	42,44/03;14,31,32/04	51150	1	33,40,46/03;9,12,28/04
43248	3	44,46,47/03;14,25,28,38/04	44067	22	6,9,14,15,21,29/04	44285	1	40,44,47/03;11,21/04	51154	3	6,9,29/04
43249	2	10/04	44068	11	40,51/03;9,27,32/04	44286	1	40,47/03;11/04	51155	1	12,29/04
43252	1	44,46/03;14,25,28,38/04	44069	16	40/03;9,14,15,21,29,30,32,44/04	44310	5	37,50/03;19,29,33/04	51158	2	33/04
43260	4	46,47/03;10/04	44070	7	21/04	44311	1	36,37,39,40/03;11,19,20,22,23,26,33,38,40/04	51159	3	39/03
43261	5	46/03;25,26,27,28/04	44071	4	29/03;21/04	44319	2	2,19,38/04	51160	20	45/03;12,14,28,34,38,43/04
43262	5	46/03;24,25,26,27/04	44072	4	40/03	44320	4	37,49,50,51/03;2,12,19,20,21,41/04	51163	4	43/03;12,19/04
43263	7	37,44,46/03;1,21,23,26/04	44073	4	40/03	44321	6	44,45/03;19,20,21,22,23,26,31,38,40,41,42/04	51164	18	43/03;5,14,27,28/04
43264	2	46/03;24,25,26,27/04	44074	3	30,32/03;14,26/04	44340	11	33,37,49,50,52/03;2,6,7,11,12,18,19,21,23,26,38,40,41/04	51165	8	39/03;5,8,27/04
43265	2	37,46,47/03;23/04	44075	4	40/03	44341	7	52/03;18,19,20,26,28,29,31,37,40,41,43/04	51166	3	N39/03
43266	1	47/03;10/04	44076	3	30,32/03;14,26/04	44342	8	52/03;18,22,27,31,42,43,45/04	51167	6	5,8,14,27/04
43280	5	37,40,47/03	44077	9	46,48/03;9,14,15,16,23,27,32/04	44352	2	49/03;2,7,24,31,45/04	51168	2	45/03;14,28,43/04
43281	6	37,44,46,47/03;1,21,23/04	44078	11	33,39,40,41,45,48,49/03;1,3,9,14,17,20,23,27,37,40/04	44360	9	30,31,32,37,39,44,52/03;2,11,24,30,31,36,37,38/04	51181	10	28/04
43283	6	37,40,43,47/03;1,20/04	44079	8	31,40,41,46,48,49,51/03;6,9,14,15,16,17,23,27,30,32,37,40,44/04	44361	6	35,52/03;4,6,15,17,20,40/04	51220	8	43,45,46/03
43284	4	40,43/03;1,20,21/04	44105	2	41,47,48,52/03;3,20,24,30/04	44366	1	44,52/03;30,42/04	51223	2	24/04
43285	5	44,49,51/03	44120	7	33,39,40,41,45,48,49/03;1,3,9,14,17,20,23,27,37,40/04	44367	2	39/03;13,20,23,26,31,36,41/04	51240	2	43,46/03
43287	2	37/03;1/04	44140	8	31,40,44,47,50/03;9,20,22,25,37,40,43/04	44400	4	34,41,49,50,51/03;7,12,16,18,19,24,25,31,36,38,40,43,44,45/04	51261	4	43,44,52/03;43/04
43300	5	49,51/03;10,23,38/04	44160	7	31,41,47,48,49/03;2,5,9,11,13,19,22,23,25,29,37,40,41,43/04	44401	7	41,49/03;6,12,21/04	51262	23	40,46/03;12,30,32/04
43301	4	49/03;23,30/04	44161	2	35,39,41,48,49,50/03;3,8,9,16,20,21,22,27,28,37,38,40,41/04	44410	4	41,45,49,50/03;2,3,9,16,18,22,28,29,31,36,37,38,40/04	51263	23	32/04
43302	4	10,14,15,38/04	44162	1	47/03;9,17,33/04	44420	6	40,44,49/03;5,8,9,11,22,23,24,25,26,27,29,36,37/04	51320	3	40/04
43303	4	43/03;14,21,38/04	44164	1	47/03;2,6,12,13,15,23,25,38/04	44430	2	40,44,47,52/03;22,27,30,37,40,42,43/04	51341	23	34/03;15,37,43/04
43304	2	43/03;10,14,15/04	44178	2	2,16,18,42,43/04				51342	3	5/04
43320	5	49/03;15,17,20,21/04	44179	2	35,39,51,52/03;3,8,14,18,25,26,42/04				51343	3	21,43/04
43321	6	15,16,17,21,23,38/04	44180	6	43,48,50/03;2,3,6,8,11,12,14,22,25,28,33,37/04				51344	2	44/03;26,33/04
43322	5	38/04	44181	5	48,52/03;2,8,9,11,12,14,22,25,30,40/04				51380	5	42/03;21,29,30,40/04
43323	4	49/03;15,17,21,23,38/04							51420	5	42/03
43324	4	49/03;15,21/04							51440	4	42/03
43340	13	49/03;15,22/04							51460	4	22/04
43341	7	49/03;22,38,45/04							51500	6	41/04
43342	7	49/03;38/04							51540	3	45/03
43344	3	39/03							51559	3	23/04
43356	2	14/04							51560	11	50/03
43360	21	30,32,43,52/03;5,7,11,14,16,17,20,26,28,30,37/04							51562	10	50/03
43362	5	44/03							51580	13	41/03
43363	5	17/04							51600	12	39/03;23/04
43366	4	44/03							51620	10	39/03
43368	5	43,48/03;14,17,45/04							51621	9	20,24/04
43369	6	43,48,50/03;14,17,24,26/04							51641	4	32,34/03
43370	7	47/03;12,14,23,24/04							52031	1	48,49/03;7,10,13,20,25,27,30,40,41,42/04
43371	13	38,43/03;10,12,14,23,24/04							52039	4	45/03;36/04
43372	4	10,12,14,41/04							52040	17	34/03;13,20,27,28,30/04
43373	8	40,42,49,50,52/03;8,9,14,23,24,25,26/04							52043	21	48,50,52/03;1,26,36/04
43374	1	43/03;10,14,17/04							52046	21	12,13,19/04
43375	7	42,44,50,51/03;5,11,20,21,22,23,37/04							52047	11	34/03;20,28,45/04
43376	5	14/04							52048	3	30/04
43377	2	47/03;14/04							52051	1	16,27/04
43378	2	38/03;14/04							52052	1	16/04
43379	1	24/04							52054	1	39/04
									52055	1	39/04
									52060	16	29,34/03;6,27,31,34,35,39,40,42/04
									52061	2	29,34/03;6,30,41/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
 NM 29/03 THROUGH NM 45/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
52062	7	29,34/03;1,6,7,31/04	53226	3	35/03;12/04	55047	8	41,49,51/03;6,7,15,18,23,25/04	57170	1	52/03;20,28/04
52066	3	39/04	53262	8	1/04*	55048	12	1,8,13,15,23,25/04	57200	6	52/03;37/04
52080	14	48,49/03;5,7,20,21,25,30,38,41/04	53283	4	40/03;6/04	55049	6	45/04	57201	5	52/03;26,45/04
52082	3	21,29,30,38/04	53287	6	36/04	55060	7	17,21,36/04	57240	8	28/04
52083	2	46,48/03;39/04	53301	4	21/04	55062	5	33/03;21/04	57241	12	31/03
52084	2	41/04	53306	2	31,43/03	55063	1	44/03	57242	8	41/03
52085	3	46/03;34,42/04	53311	3	37/03	55064	3	8,25,39/04	57245	1	41/03
52086	2	36/03;5,7,41/04	54040	3	11/04	55082	9	32,44,46,50/03;20/04	57260	3	28,37/04
52087	1	6/04	54060	5	6,12/04	55084	7	39/03;11,28,42,44/04	57381	12	4,27,37/04
52088	3	10*,20,21/04	54061	11	42/03	55085	9	31,33,36,39,46,50/03;9,17,20,30,42/04	57420	3	23/04
52092	1	48/03;39/04	54082	12	10/04	55100	8	29,33,34,39,43,44/03;6,21,36,39,40,42/04	57460	4	29/03
52120	12	6,19,26,32,33,42,45/04	54083	4	10/04	55101	4	32,34,38,39,42,43,46,50/03;2,4,6,9,11,13,17,28,40/04	57486	6	28/04
52121	8	42/04	54085	2	42/03	55102	3	32,36,43,46,50,52/03;2,6,13,17,40,42/04	57487	6	22/04
52122	14	13,14,22,45/04	54090	3	6,12,27,42,45/04	55103	2	31,35,36,38,42,43,45,46,50,52/03;2,6,13,15,28,30,40,42,44/04	57488	6	22,27/04
52124	1	6/04	54095	3	30,42/03	55104	2	31,33,36,45,46,52/03;2,6,13,28,40,42,44/04	61000	20	31/03;20,27/04
52125	1	14,22,33,39,45/04	54105	3	50/03;10,36/04	55105	7	29,33,36,42,43,48,52/03;3,9,37,40/04	61040	6	31/03;20/04
52140	6	29,46,49,52/03;5,7,12,25,42/04	54115	3	30/03;10,36,P44,45/04	55110	2	29,43,44,51/03;3,14,15,21,25,28,31,39/04	61050	4	31/03;27/04
52141	5	41,44,46,49/03;25,39/04	54120	5	10,36,P44/04	55112	2	33,34,42/03;2,17,21,28,36,40/04	61051	7	27/04
52142	3	14*,20/04	54125	3	30,47/03;P44,45/04	55127	2	32,36,51/03;40,44/04	61060	5	39/03
52143	8	7/04	54131	2	50/03;12,35,36,45/04	55128	2	32,34,43,50/03;2,6,9,11,13,20,30,40,42/04	61070	4	39/03
52144	5	47/03;7,29,42/04	54140	7	30,47,51/03;P44,45/04	55129	7	34,35,42,45,46/03;6,9,11,20,28,30/04	61071	9	39/03;45/04
52160	7	50,52/03;14,37,43/04	54151	1	42/03;24,41/04	55130	2	32,33,34,39,42,46,50/03;2,6,9,11,17,28,40,42/04	61091	5	35/03
52161	14	52/03	54161	12	27,44/04	55131	1	38,39/03;6,9,15,17,44/04	61092	13	35,39/03
52162	2	14,43/04	54165	2	38/03	55133	3	34,36,38,46/03;6/04	61100	4	37/04
52170	3	42,52/03;10,33/04	54168	1	38/03;P44/04	55138	4	52/03;6,9,15/04	61111	12	34/03;45/04
52172	2	52/03;33/04	54169	3	38/03;14,P44/04	55139	5	6,15/04	61112	10	35/03
52180	14	50/03;6,33,34,36/04	54180	6	30,42,47,51/03;P44,45/04	55140	2	29,33,34,35,36,42,45,46,47,52/03;2,9,11,17,20,28,40/04	61130	3	9/04
52183	9	52/03;34/04	54181	7	48/03*	55142	6	35,39/03;9,14,37/04	61140	5	9/04
52184	3	34,38/04	54195	2	51/03	61141	6	35/03;9,14,37/04	61142	6	35,39/03;9,14,37/04
52186	3	33/04	54226	2	47/03	61150	4	45/04	61150	4	45/04
52200	8	34/04	54227	2	47/03;12/04	61180	4	38/03	61190	4	9/04
52202	7	34/04	54266	2	27,45/04	61204	5	22/04	61211	7	38/04
52220	7	34/04	54284	1	34/03	61212	2	38/04	61212	2	38/04
52221	7	34/04	54337	3	21,31/04	61541	8	41/03	61541	8	41/03
52223	4	43/04	54339	8	31,32/04	61542	6	41,46/03	61610	7	34/03
52240	9	20,33,34,40/04	54343	10	6,31,32,33,34/04	61611	11	34/03	61612	4	34/03
52243	11	20,34,40,42/04	54344	6	34/04	62001	5	50/03;9/04	62024	13	29/03;39/04
52262	6	4,40/04	54346	9	20*,31,32,33,34,35,36/04	62028	15	13,39,44/04	62032	16	41/03;8,36,43,P44/04
52263	5	4,35,40/04	54347	4	45/04	62033	3	N41/03;N8,N36,N43,NP44/04	62070	4	26/04
52282	10	35/04	54350	4	37/03	62090	7	11/04	62092	7	27/04
53011	2	7,10,35,36/04	54352	3	33,37/03;6/04	62093	3	32/03	62095	3	32/03
53031	1	31,49/03;6,7,39/04	54359	2	38/03;21/04	62107	6	38/03*	62108	7	33/03*
53058	2	37/03	54360	12	34,50/03;6/04	62109	6	11/04	62110	9	9/04
53060	14	31,36,39,44/03;6,11,22,26,32,39,42/04	54361	10	38/03;21/04	62120	10	32/03	62121	10	32/03
53061	10	38,44/03;15,17,21,43/04	54363	3	50/03;2,6/04	62143	3	32/03	62177	3	12/04
53062	13	15,17,19,21,22,26,33/04	54368	4	50/03	62188	4	37/04*	62191	15	27/04
53063	9	33*,37/03;21/04	54369	4	34,50/03;2/04	62193	17	39/04	62194	8	24,39/04
53064	6	39/03;11/04	54380	6	34/03;17,24/04	62220	9	26/04	62225	3	26/04
53065	2	39/03;11/04	54382	9	40/03;15,28,38,41/04	62230	2	50/03;9/04	62241	10	5/04
53066	2	39/03;11/04	54387	7	30,39,42/03;38/04	62250	4	32/03	62270	4	29,32/03
53081	9	40*,42/04	54389	8	24/04	62271	5	13/04	62290	3	11/04
53082	14	37/04*	54400	8	30,36,37/03;13,14,19,24,25,30,41/04	62310	2	29/03	62310	2	29/03
53083	8	41/03;21,30/04	54403	4	30,36/03;19,30/04	62330	2	39/04	62340	3	13/04
53084	6	30/04	54407	4	30,37,49/03;13,14,24,25,30,41/04	62340	3	13/04	62350	3	13/04
53086	8	11,31,45/04	54408	4	25,41/04	62355	6	29/03;39/04	62360	5	37,40,44,P44/04
53087	9	45/04	54409	2	13,34/04	62361	2	N37,N40,N44,NP44/04	62366	4	33/03*;9/04
53088	7	43/04	54413	3	37/03	62391	5	33/03*	62392	7	P44/04
53089	4	41/03;9/04	54416	5	33,37/03	62393	7	8/04	62394	10	8/04
53090	1	50/03	54417	1	30/03*	62400	17	31/03;13/04	62401	9	41/03;8/04
53093	2	41/03;8,31/04	54418	4	30,37,49/03;24,25,30,41/04	62405	8	43/03	62406	2	9,13/04
53100	16	31/03;11,13,31/04	54421	6	36,41,43,46,49/03;20,32,33,39/04						
53101	7	43/04	54422	4	46/03						
53106	6	33/03;36/04	54430	1	36,43/03;2,14,20,33/04						
53110	1	36/04	54440	4	38/03;13,34,37/04						
53111	3	11/04	54441	6	22,30/04						
53120	14	31,35/03;11,13,36,39/04	54462	5	51/03;4,40/04						
53123	3	29/03	54463	5	1,27,37/04						
53130	1	36/04	54464	5	15/04						
53133	4	33*,45/03	54480	8	7,13,22,29,30,35/04						
53141	5	45/04	54481	8	33,43/03;7,13,22,40/04						
53147	3	35/03;36,39/04	55001	4	29,33,35,36,39,43,44,52/03;6,21,36,37,39,42/04						
53149	2	11/04	55040	4	35,36,39,41,42,50,52/03;6,9,13,17,19,22,25,32/04						
53160	14	35,39,45/04	55041	7	43,49,50/03;2,5,13,15/04						
53161	8	35/04	55042	1	35,37/03;9,19,32/04						
53164	9	35/04	55043	2	37,52/03						
53166	1	6/04	55044	5	42,52/03;1,2,25/04						
53180	10	29/03;11,35,44/04	55045	2	39,52/03;3,9/04						
53200	6	30/03;4,11,12/04	55046	4	35,36,41,46,50/03;6,8,9,17,18,19,23,25/04						
53201	6	38/03									
53203	11	44/04									
53204	10	1,44/04									
53205	3	28/04									
53206	6	34/04									
53220	6	4,10,12,36/04									

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NM 29/03 THROUGH NM 45/04**

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
62408	7	8/04	63320	8	37,49/03;9,16/04	73581	4	43/03;40/04	74455	3	38,49/03
62411	1	10,13,17/04	63321	6	37,49/03;16/04	73590	6	36,43/03	74460	4	37/03
62412	12	52/03	63322	2	49/03	73601	3	43/03;12/04	74465	2	36,38/03
62413	12	50,52/03;10/04	63324	1	9/04	73620	2	12/04	74475	2	42,48/03
62417	1	10,13/04	63331	9	30/04	73631	4	40/03	74493	3	37/04
62420	5	52/03;10/04	71009	3	36/04	73640	5	40/03;10/04	74510	2	35,38/03;13,40/04
62432	17	50/03*;11/04	71018	10	25/04	73650	5	40/03	74515	4	31,35/03;40/04
62433	13	40/04*	71027	9	33/03;14,34,36,42/04	73653	1	40/03	74517	3	31/03;40/04
62434	9	43,50/03;1,4,5,11,12,15,23,31,40/04	71033	31	36/04	74000	6	41/03;37/04	74530	2	36,49/03
62437	10	30*,32,35,37/03;5,15,40/04	71036	8	25/04	74002	2	31/03	74535	2	36,38,49/03
62440	8	41/03;8/04	71040	5	47/03	74003	5	31,34/03	74543	3	32/03
62446	3	43/03	71045	2	36/04	74004	2	30/03;12/04	74550	4	32/03
62448	2	P44/04	71050	2	36/04	74005	2	30,38/03;15/04	74555	3	12/04
62449	4	8/04	71066	2	31/04*	74007	1	46/03	74560	10	31,32/03;15/04
62451	7	5,9,P44/04	71081	4	32/04*	74008	6	15,21/04	74581	9	31,39,48/03
62453	4	50,52/03;10/04	71091	4	36/04	74009	10	36,44/03;21/04	74582	9	31,39,48/03
62455	7	40,44/04	71140	6	36/04	74012	10	36,37/03;8,22/04	74583	15	38,48/03;12/04
62459	2	41/03	71210	18	36/04	74015	10	31,36/03;8,13,22/04	74584	5	36,38,39,48/03
62460	4	9,36/04	71211	4	36/04	74016	3	42,48/03	74591	7	38/03;12/04
62480	2	32,41/03;8,9,36,43, P44/04	71220	3	35/04	74017	4	31,38/03;13/04	74595	2	42/03
62490	2	32,50/03;9,12,15,18,23,31,35,36,40,43,P44/04	71230	11	39/04	74020	4	31,38/03;13/04	75000	6	31/03
62498	4	31/03;13/04	71241	10	15,25,39/04	74021	7	31,35/03;13/04	75001	3	31,32/03
62499	4	31/03	71244	3	11/04	74024	7	36,49/03	75010	7	45/04
62510	3	8,9,36,P44/04	71247	18	11,12,15/04	74027	9	39/03	75025	9	36,38,39/03;8,42/04
62512	3	N8,N9,N36,NP44/04	71248	2	N10,N14,N34/04	74030	6	42/03	75035	18	8/04
62515	2	26/04	71249	2	14/04	74051	2	42/03	75051	6	5,11,36/04
62520	6	32,41/03;8,9,36/04	71251	11	50/03;10,12,14,34/04	74151	9	29,40,41/03;19,37/04	75052	2	10,11,36/04
62521	4	N32,N41/03;N8,N9, N36/04	71253	10	12,14/04	74152	11	30,34/03;1,13,19/04	75130	16	37/03;22,37,40,45/04
62530	6	32,52/03;9,17,35,43/04	71255	6	10,11,12/04	74153	2	41/03;1,19,37/04	75131	7	39/03;45/04
62531	4	N32,N52/03;N9,N17, N43/04	71257	2	10,11,12,14,15,25,26,45/04	74171	4	40/03	75132	11	29,32,35/03;9,21,45/04
62540	6	30,35,43,50/03;9,12,15,18,23,26,31,35,40, P44/04	71258	2	10,12,14,15,25,45/04	74172	5	40/03	75134	3	29,37,45/03;9,22,37/04
62541	3	N30,N35,N43,N50/03; N9,N12,N15,N18,N23, N26,N31,N35,N40, NP44/04	71259	3	44/03;10,11,14,15,24,34,38/04	74181	8	34/03	75142	5	35/03;9/04
62550	3	32,52/03;5,9,10,17,36/04	71262	7	33/03	74182	12	34,38,39,40,41,42,49/03;11,17/04	75143	4	10/04
62560	4	5,8,9,17,27,P44/04	71265	3	10,11,14,15,25,34,36,38/04	74183	11	38/03	75144	3	30,38/03;10,45/04
62570	4	30,35,37,43,50/03;1,5,9,11,12,15,18,23,26,31,35,40,44/04	71273	2	51/03;25/04	74184	10	34/03;8,11/04	75160	6	32/03
62572	1	50/03*;11/04	71275	3	33/03	74186	7	30,36/03	75170	12	38/03
62580	3	35/03;9,26,P44/04	71281	7	34/03	74190	7	31,34,39/03	75171	22	35,38,40,44/03;10,21/04
62584	2	7/04	71305	2	31/04	74191	2	29/03;5/04	75172	5	49/03
62590	2	30,37,43,50/03;1,11,12,15,18,23,26,31,35,40/04	71320	1	33,38/03	74192	3	40/03	75173	9	35,38,40/03
62591	3	N30,N37,N43,N50/03; N1,N11,N12,N15,N18, N23,N26,N31,N35, N40/04	71330	13	33,38/03	74200	8	32,40/03	75176	9	32,40,44/03;21/04
63000	13	40/03;23,40/04	71331	11	33,38/03;45/04	74201	9	32/03;11/04	75177	7	38/03
63010	14	44/03	71332	2	33/03	74202	5	32,40,46/03;11/04	75180	2	38/03
63040	2	52/03	71333	2	38/03;45/04	74205	3	32*,36/04	75185	2	36/03
63050	2	45/03;40/04	71340	11	33/03	74206	3	32*,36/04	75190	2	36/03;22/04
63053	4	39,45/03;34,39,40/04	71402	1	33/03	74210	7	37,46/03	75191	6	30,34,36,38/03
63054	3	34,39/04	71440	2	11,14/04	74220	8	30,37,46,50/03;11,15,25/04	75193	6	35/03
63055	2	39/03;39/04	71460	1	36/04	74221	2	30,38/03	75207	2	33,37,43,49/03
63060	7	45/03;40/04	72000	8	25/04	74229	2	50/03;21,24/04	75208	2	30,33/03;22,45/04
63062	7	37,44,50/03	72007	10	50/03;9/04	74230	7	36,46,50/03;12,15,25/04	75212	2	33,38/03
63065	6	44/03	72014	10	9/04	74231	7	36,50/03;10,24,25/04	75220	12	39/03;8,42/04
63070	3	23/04	72021	8	50/03;9/04	74232	9	8/04	75222	8	1,37/04
63090	8	30,40/03	72035	8	9/04	74240	8	41,46/03;13,25/04	75240	4	39/03;8/04
63091	4	5/04	72045	2	9/04	74251	8	15/04	75241	6	35/03
63100	2	30/03	72070	4	25/04	74252	9	10/04	75251	5	37,40/03;13,19/04
63101	15	30,40/03;16/04	72085	3	50/03;9/04	74253	6	30/03;10,13,15/04	75261	6	31,38/03;1,13,19/04
63102	19	30,40/03;16/04	72094	2	25/04	74261	9	30,39/03;21/04	75262	6	1/04
63103	17	16/04	72105	2	50/03;9/04	74265	2	30/03;10,13,15,35/04	75263	9	31/03;1/04
63111	9	16/04	72107	2	32/04	74270	3	38/03;10,15,21,35,38,42/04	75264	17	32/03;1/04
63172	4	42/04	72110	9	9/04	74271	9	29,30,38/03;10,21,35,38,42/04	75265	2	31,32,38,40/03
63200	5	30/03;10/04	72120	3	9/04	74272	7	29,30/03;9,15,21,35,38,42/04	76015	1	45,52/03;3,P44/04
63201	9	30/03	72173	2	9/04	74273	5	10,15,35,45/04	76030	9	52/03;3,P44/04
63205	2	30/03;10/04	72203	2	9/04	74281	7	30,52/03;17/04	76040	8	47/03;P44/04
63210	3	30/03	72204	1	26/04	74282	2	52/03	76041	2	P44/04
63231	8	44/04	72231	8	35/04	74283	2	38,50/03	76050	8	52/03;P44/04
63233	15	44/04	73000	9	10,35,36/04	74286	2	29,35/03	76054	5	52/03
63250	6	5,16/04	73002	4	10/04	74287	2	47/03	76056	3	37/03;P44/04
63252	1	33/03	73004	4	8,10,26,27/04	74289	5	10/04	76060	7	52/03
63260	5	5/04	73006	2	10/04	74290	11	30,38,50/03;15,18,44/04	76061	3	52/03
63271	8	9/04	73008	8	36/04	74292	8	52/03;1,44/04	76070	9	45,47,51/03;3,37/04
63310	5	9/04	73010	3	10/04	74293	7	18,44/04	76071	9	42/04
			73012	6	36/04	74294	3	44/04	76080	8	47/03
			73014	10	10,35,36/04	74295	3	29,35/03;1,44/04	76081	7	37/03;37/04
			73016	4	10/04	74296	4	52/03;15,37/04	76083	3	37/03
			73018	3	10/04	74320	3	41,43/03	76120	6	45/03
			73020	9	10,21/04	74350	4	44/03;21/04	76121	8	47/03
			73022	4	10,35/04	74376	5	44/03	76141	8	37,45,52/03
			73130	8	31/04	74392	7	49/03	76142	1	37,45/03
			73141	5	10/04	74393	9	39/03;13,36,38/04	76146	1	45/03
			73191	3	10/04	74394	2	39/03;13,36,38/04	76160	4	42/04
			73470	4	35/04	74420	3	30/03	76161	10	47/03;29,42/04
			73552	4	38/03;18/04	74440	3	22/04	76170	7	52/03;42/04
			73580	4	43/03	74450	3	37/03	76180	1	3/04
									81001	1	36/04
									81004	3	37*,43/03;9,10,17,21/04
									81025	3	N38/04*
									81048	9	52/03*;8,9,17,21/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
 NM 29/03 THROUGH NM 45/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
 \* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
81054	14	52/03*;7/04	93680	3	18/04	95120	7	44/04	96645	1	15/04
81060	2	43/03;8,9,11,17,21/04	93688	3	N18/04	95138	8	30,35,36/03;21/04	96660	4	36/03
81063	5	47/03	93690	2	45/03	95140	15	29,33,35,37,51,52/03;4,16,17,19,20,21,24,34,35,39/04	96760	4	17/04
81067	6	46/03*;12,24/04	93698	3	6/04				96762	4	50/03*;16/04
81071	6	24/04	93710	3	43,52/03				96763	7	32,37,45/03;6,16,21,26,36/04
81076	10	41*;44/03;12/04	93720	10	42,43,44,48,49/03;43/04	95141	8	29,37,51/03;4,20/04			
81092	3	32/03	93721	5	40,41,43,44,45,46,48,49,50,52/03;1,4,7,8,11,14,16,22/04	95142	9	29/03	96764	3	34/03*
81711	6	31/03;1/04				95143	11	30,36/03;21,34/04	96883	9	11/04
81715	4	31/03;1/04	93725	6	49/03	95144	9	35,37/03;17/04	96904	3	34/03*;44/04
82010	6	39/03;22/04	93726	4	45,50/03	95146	14	31,32,35,37,48/03;20/04	96937	2	36/04
82015	13	39/03;22/04	93730	3	31,41,42,43,46,47,48,49/03;13,14,16,17,23/04	95147	13	29,31,32,35,36/03;20,21/04	96938	4	34,36/04
82020	7	39/03;22/04	93733	13	40,41,44,45,47,48,52/03;1,4,8,14,16,23,25/04	95149	9	30,32,35,52/03;16,20,34,39/04	96941	8	47/03;9,16,32,36/04
82095	2	12/04				95151	17	29,30,37/03;16,19,20,34/04	96942	9	9/04
82105	2	12/04	93734	12	51/03*;4,23/04				96943	15	33,42/03;19,23,26,36/04
82192	6	43/03	93736	24	11*,16,22,31/04	95152	5	30,31,32,35/03;20,34/04	96944	6	17,45/04
82200	2	41/03;12/04	94004	6	42/03;6,15,24,44/04	95153	2	32/03;19,44/04	96945	3	42/03;16,19,34,36/04
82201	2	12/04	94016	2	33,47/03;26,30,34,44/04	95160	13	33,36,40/03;1,14,16,17,19,20,24,28,38/04	96947	15	23,25,27,39/04
82215	2	41/03	94028	7	31,33,40,51,52/03;1,4,16,17,19,20,21,28,30,38,39,44/04				96948	8	30,39/04
82244	5	39/03				95161	16	30,37/03;20/04	96960	3	47/03;16,32,34,36/04
82253	7	39/03;15/04	94033	5	29,42,44/03;2,12,16,19,23,38,40/04	95162	2	30,35/03;20,34,37/04	96962	4	33/03;23,26,39/04
82280		N39/03;N22/04				95169	2	34/04	97000	3	40/03
82304	5	36/04	94040	13	31,43,51/03;13,18,44/04	95171	1	37/03;35/04	97005	9	47/03;17,27,32/04
82571	6	14/04	94042	9	43,45/03;4,8,13,16/04	95172	1	32/03;35/04	97015	10	16,17,31,32,41/04
83025	1	45/03	94060	10	31,42/03;11,13,18,44/04	95176	2	30,35/03	97021	7	40/03;16,17,19,20,21,25,28,31,32,34,41/04
83034	1	23/04	94061	5	41,42,52/03;11,13,18/04	95180	11	34,35,37/04	97026	10	23,30,34/04
83039	11	23/04	94067	10	44/04	95185	2	35/03;37/04	97029	3	40/03;16,32,34,36,40,41/04
83425	6	3/04	94080	7	32,51/03;15,17,23,24,44/04	95230	3	29/04	97040	5	23,24/04
83473	5	37/03				95243	4	15/04	97041	9	39/04
83484	10	42/03;24/04	94082	8	51/03;15,23/04	95250	4	36/03;19,26,31,36,38,42,44/04	97042	7	27/04
83500	1	23/04	94083	12	15,24/04				97060	8	27/04
83567	3	43/04	94120	6	15,23,43/04	95255	2	31/04	97061	4	21/04*
83570	2	34/04	94122	7	35/03	95261	7	36,47/03;14,21,26,31,36,41/04	97062	12	34,35/03;10,27,32/04
83572	1	34/04	94123	9	23,24,37/04				97063	2	48/03*
83574	2	35/04	94124	13	23,24,37/04	95262	13	36/03	97064	2	33,45/03;44/04
83580	2	45/03;23,34/04	94160	7	31,41,42/03;6,13,16,17,44/04	95264	8	41/04	97065	2	48/03*
83590	1	45/03				95267	6	15/04*	97080	6	21*,24/04
83637	4	37,38/04	94164	2	41,42,43/03;17/04	95268	16	30,33,39/04	97082	5	34/03;10,39/04
91005	6	42/03;36/04	94165	4	43/03;13,18/04	95270	5	21/04*	97083	3	29,34,35/03;27,36/04
91008	1	44/04	94180	9	44/03;6,16,17,18/04	95271	4	36/03;30,33,41/04	97100	4	49/03;16,17,24,31,32/04
91010	6	44/04	94187	3	36,45,46/03;12,18/04	95272	3	30,33,41/04	97101	2	50/03*
91020	5	46/03;37/04	94203	10	41,42/03	95273	2	12,36,41/04	97104	4	41/03
91025	8	46/03	94206	3	44/03;18/04	95274	4	15*,25,36,41/04	97105	3	41/03;17,24/04
91030	3	42/03	94216	6	42,44,47/03;1,5/04	95276	4	1*,26/04	97108	4	50/03*
91175	2	6/04	94217	4	2,5/04	95280	10	21*,34/04	97120	6	40,44,45,49/03;31,32,41/04
91220	3	30/04	94218	3	2,5,17/04	95281	15	36,45/03			
91280	7	43,46/03;37/04	94219	1	46/03;6/04	95282	7	12,19,40/04	97140	17	40,44,45,46,49,52/03;31,32,34,36,41/04
91289	19	43/03	94220	4	33,42,44,47/03;5,18/04	95285	3	12,34/04	97141	5	6/04
91300	3	46/03	94220	5	31/03	95300	6	21*,22,26,30,34,42/04	97143	12	21*,33,38/04
91331	3	42/03	94260	5	32/03	95320	15	33,40/03;10,13,14,26,28,38/04	97144	14	39,44,49/03;6,33/04
91340	3	42/03	94281	6	42/03				97145	1	40,45,47/03;31,32,36,41/04
92006	5	10,36,42,43/04	94282	9	7,13/04	95341	8	40,44/03;10,13,14,31,38/04			
92020	2	36/04	94283	7	32/03;7,13,14/04				97146	10	39/03;39/04
92025	3	42/03	94290	2	31/03;7/04	95342	16	10,13,39/04	97148	9	40/04
92030	4	42/03;30,36/04	94322	14	47/03;6/04	96000	5	17,20,32/04	97149	20	12,33,42,44/04
92033	5	36/04	94360	6	2,8,12,16,17,30/04	96004	14	16,25,32/04	97150	13	42,49/03
92150	3	43/03	94361	13	2,8/04	96012	16	32,34,45/04	97151	16	49/03;38/04
92160	3	43/03	94363	4	29/03;15,17,21,30/04	96016	7	51/03	97152	9	1*,6/04
92170	3	43/03	94380	4	N18/04	96028	5	51/03;20/04	97153	8	52/03*;30/04
92350	4	30,36/04	94420	3	42,44,47/03;2,12,16/04	96032	3	34,51/03;20/04	97155	14	10,12,20/04
92356	2	30,36/04	94420	10	12/04	96036	2	36/03;15/04	97157	2	40/03*;1,38/04
92410	3	42/03	94423	12	12/04	96039	7	44/03;8,15/04	97158	5	50/03*
92450	3	42/03	94440	2	23/04	96041	11	39,44,45/03;8,11,20/04	97159	6	44,46,52/03;34,36/04
92500	1	36/04	95016	8	21,24,25,26,28,29,36/04	96042	11	39,40,44,45/03;8,11,20,26/04	97163	14	36/03;11/04
93006	2	43,44,48/03;44/04	95040	8	27/04				97164	1	52/03
93010	6	32,34/04	95041	7	50/03	96043	8	11/04	97165	1	52/03
93025	5	45/03	95043	2	27/04	96044	10	38,51/03;2,7,20/04	97166	1	46/03
93030	6	42/04	95060	13	29,31,33/03;16,17,19,21,34,38,40/04	96080	6	25/04	97167	2	23/04
93036	10	43/04				96100	2	25/04	97180	6	44/03;19,32,34,39/04
93046	1	42/04	95065	5	31/03;34/04	96120	6	45/04	97181	20	35,44,46/03;1,7,19,39/04
93047	2	42/04	95066	11	31,32,33,37/03;6,17,21,34,38,40/04	96130	2	45/04	97182	13	35,46/03;1,9,21,26,28,36,39/04
93048	1	33/03;42/04				96181	5	25/04			
93110	2	34/04	95067	13	37/03;17,20/04	96200	5	34,36/04	97183	9	43,44/03
93117	2	43/04	95068	1	29,37/03;34/04	96320	4	51/03	97184	15	39,44/03;41,42/04
93160	4	47/03;34/04	95080	13	30,31,32,48,52/03;16,17,19,20,21,34,38/04	96340	4	45,51/03	97185	2	46/03
93180	7	47/03				96381	2	50/03	97187	3	2,16/04
93220	6	47/03	95082	9	30,52/03;14,19,21/04	96440	3	11/04	97188	3	50/03*;7,9/04
93240	11	47/03;32,34/04	95085	4	33/03	96441	1	50/03;20/04	97189	2	39,43/03;41,42/04
93241	9	32/04	95086	5	31,33/03	96480	3	51/03;11/04	97190	2	19,31/04
93245	6	32,40/04	95087	3	30,31/03;1/04	96500	6	39/03;8,25/04	97200	9	29/03;17,23,27,31,40,44/04
93247	5	45/04*	95100	12	29,31,37/03;4,17,20,21,35,38,44/04	96520	7	8,20/04			
93248	1	39/04*				96540	5	11/04	97202	15	30,33/04
93260	8	47/03;32/04	95101	8	31/03;17,20/04	96560	5	51/03	97204	9	33,43,45,47/03;13,25/04
93261	5	47/0									

## SECTION I

NM 45/04

CHARTS AFFECTED BY NOTICE TO MARINERS  
NM 29/03 THROUGH NM 45/04

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;  
\* indicates New Edition/New Chart; \*\* indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
97219	4	47/03;13,27/04	97425	6	45/03;1,2,23,28,38,39/04
97220	3	29,33,46,49/03;6,18/04	97440	8	43,47/03;9,30,34/04
97221	20	29,33,46/03;6,7,11,13,17,18,24,27,33/04	97441	5	47/03;14/04
97222	12	29/03;11,17,24,27/04	97443	6	47/03
97223	3	46/03;21,42/04	97460	7	47/03;9,23,26,34/04
97224	6	45/03;11/04	97461	9	9,26,34/04
97225	32	21*,27/04	97465	9	33,37/03;6,12,26/04
97226	7	41/03;6,22/04	97469	10	33,37/03;6,12,30,40/04
97227	11	30,34/03	97471	5	N33/03;N6,N10,N12,N40/04
97228	15	29,35,49,52/03;7,34/04	97472	8	33/03
97229	12	33/03;18,30,39/04	97474	7	26/04
97230	18	33/03	97480	7	15,23,40/04
97231	11	33/03	97481	6	40/04
97232	9	7*,23/04	97483	7	11,44/04
97233	12	15*,17/04	97501	2	21*,23/04
97234	17	41/03;7,22,24,33/04	97521	6	36,40/04
97235	2	52/03*	800669	8	N1,N16,N34,N45/04
97236	20	35,41/03;13,22,34/04	800744	1	N36,N47,N50/03;N10,N30/04
97237	6	41/03	801217	1	N33,N37/03;N6,N12,N26,N44/04
97238	11	12/04	801885	3	N34/03
97241	6	1,23,27,30,36/04	801902	9	N31/03;N14,N29/04
97243	8	33/03;14,22,40/04	801926	1	N44/04
97245	11	29/03	801953	1	N39,N52/03
97246	7	13,25/04	802202	8	N40/04
97251	4	36,52/03	802260	5	N1,N23,N34/04
97261	15	44/03;1,13,22,23,24,27,31,43/04	803404	2	N8/04
97262	10	33,46/03;2,13,14,22,31,36,43/04	804059	2	N43/03
97263	10	46/03;2,14,31,36/04	804567	4	N31/03;N9,N32/04
97266	5	42/03;1,2,7,23,27,31,32,43/04	805118	3	N36/03;N12,N24/04
97267	16	42/03;7,9,13,32/04	805647	2	N30/03;N8,N13/04
97268	10	24/04	805980	4	N23/04
97269	11	7,32/04	806927	8	N30,N39/03;N29/04
97270	6	7,13/04	807370	5	N30,N31,N39/03;N14,N29/04
97271	12	35,41,44/03;9,17,24,31/04	809055	7	N25,N26,N31/04
97272	11	37,47/03;1,9,13,19,31,33/04	809679	2	N36/04
97273	11	34*,52/03;1,9,33,38/04			
97274	19	37,47,52/03;7,9,21,38/04			
97275	3	52/03*			
97276	2	50/03*			
97277	12	21*,24,33,43/04			
97278	12	14*,42/04			
97280	4	31,44/04			
97281	3	50/03*			
97285	6	36/03;7,21/04			
97286	6	35,36,38/03;26,38,43/04			
97287	5	43/04			
97300	6	6,22,27,31/04			
97303	3	45/03			
97304	1	22/04			
97320	6	46/03;6,14,21,22,34,38/04			
97340	8	36,46,47/03;9,14,24,34/04			
97341	9	47/03			
97342	14	43/03;24/04			
97343	12	9/04			
97345	2	50/03			
97360	6	43,45,47/03;30,34/04			
97380	7	38,40,45/03;17,23,39/04			
97381	7	43,45/03			
97382	2	42/03;42/04			
97383	16	42,46,47/03;22,25,33,41/04			
97385	10	46,47/03;22,33,39,40,41/04			
97387	2	42,46/03;10,25,33,39,42/04			
97389	2	45*,47/03			
97390	5	36/03;7,22/04			
97392	5	33,38/03;33/04			
97396	14	33,38/03;2,39/04			
97397	7	44,49/03;43/04			
97398	4	43/03*;27,40/04			
97400	4	34*,44,49/03			
97409	5	40/04			
97410	9	50/03*;2,39/04			
97412	7	47/03			
97420	17	33,38,40,45/03;1,13,14,17,23,24,28,38,39/04			
97421	13	36/03			
97423	2	36/03;10,17/04			

## NGA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS

Note: Underlining indicates that column in which a correction has been made or new information added.			Edition		Price Category	Page(s)	NTM
NGA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date			
	REGION 1						
14XHA14848 (7642014010668)	Detroit River	30,000	<u>57</u>	<u>7/04</u>	NOS	1-96	45/04
14XHA14970 (7642014010711)	Marquette and Presque Isle Harbors	15,000	<u>26</u>	<u>8/04</u>	NOS	1-96	45/04
	REGION 9						
93AHA93247 (7642014014038)	<u>Chong Khram</u>	<u>12,000</u>	<u>5</u>	<u>7/04</u>	A	9-14,42	45/04

Price Categories effective 1 October 2004

A	18.75	E	9.50	G	5.00	R	3.00
D	11.25	F	9.50	H	3.00		

CHS Canadian Hydrographic Service  
DS Distribution Limited  
GPO Government Printing Office  
NOS National Ocean Service  
UKHO United Kingdom Hydrographic Office  
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Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

For questions concerning the availability and distribution of announced charts, users should contact the Defense Logistics Agency (DLA) at 1-800-826-0342 or 804-279-6500; DSN 695-6500; Fax 804-279-6524.

**SAILING DIRECTIONS CORRECTIONS**

**PUB 126**            **6 Ed 2002**            **LAST NM 44/04**  
Page 16—Lines 19 to 38/R; read:

**Directions.**—Two passes that may be used lead into the lagoon of Fakarava.

Passe Tumakohua is suitable for vessels drawing less than 2.7m and requires local knowledge. One can clear the passage by following a lighted range line on a bearing of 336.4°. The pass intersects the atoll on the SE.

Passe Garuae is entered 6 miles WSW of the N extremity of Fakarava. The pass is about 0.9 mile wide and has been swept to a depth of 10m over a width of 0.2 mile. Recife Pufana, marked by a lighted beacon, is located 0.9 mile ESE of the E entrance point of the pass.

Vessels can enter the pass on a course of 147°. When the lighted beacon on Recife Pufana bears less than 070°, steer with the flagstaff at Rotoava ahead bearing 067°. When about 2 miles from the village steer as necessary to the anchorage. The channel is marked by buoys and beacons, which have been reported to be unreliable.

The outgoing tidal current follows the axis of the pass and is sometimes strong. A line of breakers appears to extend across the entrance; however, a vessel with a speed of over 8 knots can enter at anytime.

(Fr NM 19/04) 45/04

Page 128—Lines 27 to 44/L; read:

**Regulations.**—Vessels arriving from an area infested by rhinoceros beetles are subject to quarantine inspection. The local authorities should be contacted in advance of arrival for details and requirements. Vessels carrying hydrocarbons are subject to special regulations. See Pub. 120, Sailing Directions (Planning Guide) Pacific Ocean and Southeast Asia for details.

Trawling and dredging are prohibited in a 13,000 square mile restriction zone located SE of the S end of New Caledonia. This special protection zone is bounded by a line joining the following positions:

- a. 23°15.0'S, 167°00.0'E.
- b. 23°15.0'S, 169°00.0'E.
- c. 25°30.0'S, 169°00.0'E.
- d. 25°30.0'S, 167°00.0'E.

**Caution.**—Reports indicate that the set and drift of currents in the vicinity of the barrier reef surrounding New Caledonia are unpredictable. Extreme caution should be used in navigating these waters, particularly in an area defined by the following limits:

1. A line extended first in a 180° direction from the E side of Passe de Boulari (Bulari Pass) for a distance of 35 miles;
2. Then to position 23°30'00"S, 167°00'00"E;
3. Then to position 23°15'00"S, 167°30'00"E;
4. Then to position 22°56'18"S, 167°45'00"E;
5. Finally extending as a tangent to the E side of Ile des Pins.

The area between these limits and the barrier reef is rendered extremely hazardous by unpredictable currents, and no vessel should enter it except in emergency.

(23(33)04 Brest) 45/04

**PUB 195**            **7 Ed 2002**            **LAST NM 44/04**  
Page 64—Lines 17 to 18/L; read:

**Regulations.**—A Reporting and Information System has been established in the Gulf of Bothnia and is operated by Vessel Traffic Services (VTS) at Gavle and Lulea.

The system is mandatory for vessels over 300 grt and vessels, including tows, over 45m in length.

Approaching vessels must send a report to VTS Gavle 30 minutes before passing the first Reporting Point (see below). Vessels with an Automated Identification System (AIS) are not obliged to send this report.

Participating vessels must report to VTS Gavle on passing the following Reporting Points (RP):

1. RP No. 11 Vaktaren (60°42.7'N., 17°36.2'E.).
2. RP No. 12 Purrutsgrund (60°46.7'N., 17°27.5'E.).
3. RP No. 13 Valkommen (60°57.8'N., 17°15.0'E.).
4. RP No. 21 Storjungfrun S (61°06.9'N., 17°21.3'E.).
5. RP No. 22 Blomman (61°11.5'N., 17°17.5'E.).
6. RP No. 23 Hallgrund (61°15.8'N., 17°22.0'E.).
7. RP No. 31 Tihallsten (61°31.5'N., 17°19.0'E.).
8. RP No. 32 Hudiksgrund (61°35.0'N., 17°24.0'E.).
9. RP No. 41 Britas Klack (61°53.1'N., 17°27.7'E.).
10. RP No. 51 Bramon S (62°10.0'N., 17°39.7'E.).
11. RP No. 52 Bramon N (62°17.4'N., 17°40.4'E.).
12. RP No. 53 Astholmsudde (62°22.8'N., 17°43.8'E.).
13. RP No. 61 Hamo (62°36.6'N., 18°05.8'E.).
14. RP No. 62 Storon S (62°43.4'N., 18°12.8'E.).
15. RP No. 63 Storon N (62°47.6'N., 18°17.0'E.).
16. RP No. 64 Ramon (62°50.0'N., 17°54.0'E.).
17. RP No. 65 Brunne (62°56.0'N., 17°50.0'E.) (Out-bound).

Reports must include the vessel's name, call sign, position, and destination.

Vessels must report their name, position, and destination when arriving at or leaving a berth (including an anchorage), when changing route, when being involved in an accident (including groundings and collisions), and on the occurrence of any defect affecting the safety of navigation. The report should be sent 10 minutes prior to leaving a berth or an anchorage.

Participating vessels must maintain a continuous listening watch on VHF channel 13 after the first report.

Smaller vessels than those described above, which are fitted with VHF, should maintain a continuous VHF listening watch.

Gavle VTS may be contacted on VHF channels 16 and 13, and by e-mail, as follows:

vtsgavle@sjofartsverket.se

**PUB 195 (Continued)**

All vessels must proceed through Holmuddsranna, the main entrance channel, at a slow speed.  
(BA NP 286) 45/04

1. 30 minutes before arrival at the first Reporting Point (see below). Vessels equipped with an Automated Identification System (AIS) are exempt from this report.  
(BA NP 286) 45/04

Page 115—Line 44/R; read:

A Reporting and Information System has been established in the Gulf of Bothnia and is operated by Vessel Traffic Services (VTS) at Lulea and Gavle.

The system is mandatory for vessels over 300 grt and vessels, including tows, of over 45m in length.

Participating vessels must report to VTS Lulea on the assigned VHF channels when passing the following Reporting Points (RP):

1. RP No. 7 Maloren (65°32'N., 23°25'E.)—channel 14.
2. RP No. 8 Nygran (65°01'N., 21°46'E.)—channel 13.
3. RP No. 9 Gasoren (65°40'N., 21°30'E.)—channel 13.
4. RP No. 10 Vaktaren (63°33'N., 20°30'E.)—channel 12.
5. RP No. 11 Logaren (63°32'N., 20°05'E.)—channel 12.
6. RP No. 12 Storbaden (63°21'N., 19°35'E.)—channel 14.
7. RP No. 13 Vallinsgrund (63°18'N., 19°20'E.)—channel 14.
8. RP No. 14 Skagshallan (63°10'N., 19°00'E.)—channel 14.
9. RP No. 15 Trysunda (63°10'N., 18°48'E.)—channel 14.

Reports must include the vessel's name, call sign, position, and destination.

Vessels must report their name, position, and destination when arriving at or leaving a berth (including an anchorage), when changing route, when being involved in an accident (including groundings and collisions), and on the occurrence of any defect affecting the safety of navigation. The report should be sent 10 minutes prior to leaving a berth.

Participating vessels must maintain a continuous listening watch on the assigned VHF channel after the first report.

Smaller vessels than those described above, which are fitted with VHF, should maintain a continuous VHF listening watch.

Lulea VTS may be contacted by e-mail, as follows:

vtslulea@sjofartsverket.se
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Sandolelen is considered to be that part of the fairway  
(BA NP 286) 45/04

Page 116—Lines 8 to 12/L; read:

The system is mandatory for vessels over 300 grt and vessels, including tows, of over 45m in length.

Vessels are required to maintain a constant listening watch on VHF channel 14 while in the area and to report, as follows:

**SECTION II**

**CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2004**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
3225	Bantam Ledge Buoy DBL South of ledge.					Black and red with two black spherical topmarks.	
						*	45/04
*17170	- Buoy 13					Green can.	Private aid.
							45/04
<b>Sippican Harbor Upper Channel</b>							
<i>Aids maintained from Apr. 15 to Oct. 15.</i>							
17175	- Buoy 14	41 42 25 N 70 45 31 W				Red nun.	Private aid.
		*					45/04

**CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2004**

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
615 27965	- JETTY LIGHT	35 46 26 N 75 31 30 W	<b>Iso W 6s</b>	28	7	NB on pile.	
		*					45/04
*637	<i>NOOA Data Lighted Buoy 41025 (ODAS)</i>	35 03 25 N 75 22 50 W	<b>Fl (4) Y 20s</b>		6	Yellow boat shaped hull.	
							45/04
<b>CAPE HATTERAS TO LITTLE RIVER INLET (Chart 11520)</b>							
640	<i>Diamond Shoal Lighted Buoy 12</i>	35 09 05 N 75 17 33 W	<b>Q R</b>		4	Red.	Marks remaining structure of Diamond Shoal Light.
						*	45/04
790 29650	<i>New River Inlet Lighted Whistle Buoy NR</i>	34 31 02 N 77 19 33 W	<b>Mo (A) W</b>		6	Red and white stripes with red spherical topmark.	
		*					45/04
*27995	- OREGON INLET JETTY LIGHT	35 46 26 N 75 31 30 W	<b>Iso W 6s</b>	28	7	NB on pile.	
							45/04
28337	- Buoy 8A						<i>Remove from list.</i>
							* 45/04
<b>NEW RIVER (Chart 11542)</b>							
<b>New River Inlet</b>							
<i>Due to frequently changing conditions, positions of aids are not listed.</i>							
29650 790	- <i>Lighted Whistle Buoy NR</i>	34 31 02 N 77 19 33 W	<b>Mo (A) W</b>		6	Red and white stripes with red spherical topmark.	
		*					45/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*813	DANIA BEACH FISHING PIER OBSTRUCTION LIGHT	26 03 30 N 80 06 30 W	F R	18		On pier.	Private aid.  45/04
2395	- Channel Lighted Bell Buoy 3						Remove from list.  * 45/04
2820	U.S. NAVY PIER Z LIGHTS (2)	32 51 14 N 79 57 04 W	F Bu			On pier.	Maintained by U.S. Navy.  * 45/04
2833	- Lighted Buoy 50		FIR 2.5s  *		3 Red.		45/04
4230.01	Coast Guard Mooring Buoy						Remove from list.  * 45/04
5645	Olympic Security Zone Daybeacon BR						Remove from list.  * 45/04
	*Delete Heading: *St. Marys Entrance						
6525	- RANGE FRONT LIGHT	30 42 28 N 81 27 54 W	FI W 2.5s (Day) FI W 2.5s (Night)	26 30		KRW on tower. On same structure as Cumberland Sound Obstruction Light.	DAY: Visible on range line only. NIGHT: Visible 4° each side of range line.  45/04
	*Add Heading: *St. Marys Entrance						
*6525.5 37920	- RANGE FRONT PASSING LIGHT	30 42 28 N 81 27 54 W	FI W 2.5s	30	5	On same structure as St. Marys Entrance Range Front Light.	45/04
	*Delete Heading: *St. Johns River						
9402	- Daybeacon 9					SG on pile.	45/04
	*Delete Heading: *Sanford Spoil Bank						
9405	Lake Monroe Fish Attraction Device Buoy A	28 49 54 N 81 16 36 W				Yellow nun.	Private aid.  45/04
	*Add Heading: *Sanford Spoil Bank						
9410	Lake Monroe Fish Attraction Device Buoy B	28 50 54 N 81 15 12 W				Yellow nun.	Private aid.  45/04

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## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
10445	DANIA BEACH FISHING PIER OBSTRUCTION LIGHT						<i>Remove from list.</i>
							* 45/04
	*Delete Heading: Florida Bay *Windley Key						
12688	- West Channel Daybeacon 2					TR on pile.	Private aid.
							45/04
	*Add Heading: *Windley Key						
12688.3	- West Channel Daybeacon 3					SG on pile.	Private aid.
							45/04
	*Delete Heading: Florida Bay *Windley Key						
12688.5	- West Channel Daybeacon 4					TR on pile.	Private aid.
							45/04
	*Add Heading: *Windley Key						
12688.7	- Channel Daybeacon 6					TR on pile.	Private aid.
							45/04
	*Delete Heading: *Big Sarasota Pass						
21465	- Shoal Daybeacon A						<i>Remove from list.</i>
							* 45/04
21473	- Shoal Daybeacon B						<i>Remove from list.</i>
							* 45/04
21485	- Daybeacon 5						<i>Remove from list.</i>
							* 45/04
	*Add Heading: *Big Sarasota Pass						
21495	- Shoal Daybeacon D	27 16 58 N 82 34 04 W				NW on pile worded DANGER DANGEROUS INLET.	
							45/04
25535	- Daybeacon 2					TR on pile.	Private aid.
							* 45/04

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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
979	El Paso-WC-62-1 RACON	29 37 38 N 93 18 12 W		58		On El Paso Platform 1.	BAND: S, X. SIGN: EL PASO-WC-62-1 RACON "C" (- • - •) Private aid.
		*					45/04
*1061	Tarpon-103-1 Lighted Buoy Marks Subsea Installation.	28 14 02 N 93 35 12 W	FI W 2.5s	10		White with orange bands.	SIGN: TARPON-HI-308-001. Private aid.
							45/04
*15438	FiFi Island East Danger Daybeacon	29 15 52 N 89 57 47 W				NW on pile. WORDED:ROCK.	Marks Wave Breakers. Private aid.
							45/04
*15442	FiFi Island West Danger Daybeacon	29 15 54 N 89 57 46 W				NW on pile. WORDED:ROCK.	Marks Wave Breakers. Private aid.
							45/04
33591	GEOLOGICAL SURVEY FLOW GAGE LIGHT B						Remove from list.
							*
							45/04

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*3050	- SOUTH DIRECTIONAL LIGHT	33 44 59 N 118 12 48 W	F W	120		On 3 leg tower, Visible white light in center of the outbound channel (less than 0.1°)	Alternating red/white when left of outbound channel (156.5T - 156.0T) Fixed red light when left of outbound channel (154.5T - 156.0T): Flashing Red light when left of outbound channel (154.0T - 154.5T). Alternating green/white light when right of outbound channel (156.5T -157.0T), Fixed Green light when right of outbound channel (157.0T - 158.5T), Flashing Green light when right of outbound channel (158.5T - 159.0T). Private aid.
							45/04

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**SECTION II**

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*3055	- NORTH DIRECTIONAL LIGHT	33 46 20 N 118 13 30 W	F W	105		On 3 leg tower, Visible white light in center of the inbound channel (less than 0.1°)	Alternating red/white when right of inbound channel (336.5T - 337.5T) Fixed red light when right of inbound channel (337.5T - 338.5T): Flashing Red light when right of inbound channel (338.5T - 339.0T). Alternating green/white left when right of inbound channel (335.5T - 336.5T), Fixed Green light when left of inbound channel (334.5T - 335.5T), Flashing Green light when left of inbound channel (334.0T - 334.5T). Private aid.
							45/04
*3807	Cojo Mooring Buoy B	34 26 48 N 120 26 19 W				White with blue band.	Private aid.
							45/04
*3808	Cojo Mooring Buoy C	34 26 47 N 120 26 06 W				White with blue band.	Private aid.
							45/04
4665	<i>Oakland Inner Harbor Lighted Buoy 5</i>	37 48 07 N 122 20 23 W	FIG 4s		3	Green.	
	*	*	*				*
							45/04
	<b>Neva Strait</b>						
25130	Columbine Rock Daybeacon 19	57 15 46 N 135 35 01 W				SG on square frame.	
		*					45/04
25215	POINT SIROI ISLAND LIGHT 12	57 25 08 N 135 35 21 W	FIR 2.5s	15	4	TR on skeleton tower.	Obscured from 272° to 025°.
		*					45/04
*28006.2	<i>UH Research Lighted Buoy B</i>	22 46 00 N 157 53 54 W	FI Y 4s			Yellow.	Private aid.
							45/04
28130	Cape Kumukahi Light	19 30 59 N 154 48 39 W	FI W 15s	156	24	White pyramidal skeleton tower. 115	Lighted throughout 24 hours. Obscured from 015° to 120°. Emergency light of reduced intensity when main light is extinguished. Operates during periods of darkness only.
					*		45/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
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## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*3742	Ashtabula Township Park Breakwall Light	41 54 30 N 80 46 49 W	F Y	7 2		On single pile.	Private aid.  45/04
*5951	- Buoy A	41 36 22 N 83 04 28 W				White with orange bands.	Private aid.  45/04
*5951.1	- Buoy B					White with orange bands.	Private aid.  45/04
*5951.2	- Buoy C					White with orange bands.	Private aid.  45/04
*5951.3	- Buoy D	41 37 00 N 83 03 54 W				White with orange bands.	Private aid.  45/04
*5951.4	- Buoy E					White with orange bands.	Private aid.  45/04
*5951.5	- Buoy F					White with orange bands.	Private aid.  45/04
*5951.6	- Buoy G					White with orange bands.	Private aid.  45/04
*5951.7	- Buoy H					White with orange bands.	Private aid.  45/04
*5951.8	- Buoy I					White with orange bands.	Private aid.  45/04
*5951.9	- Buoy J	41 35 54 N 83 02 30 W				White with orange bands.	Private aid.  45/04
*5952	- Buoy K					White with orange bands.	Private aid.  45/04
*5952.1	- Buoy L					White with orange bands.	Private aid.  45/04
*5952.2	- Buoy M	41 35 32 N 83 03 23 W				White with orange bands.	Private aid.  45/04
*6016	Rear Range Light - 120 feet, 190° from front light.		F R	42 13		KRW on pipe.	Private aid.  45/04
*6716	Buoy A	41 58 26 N 83 15 20 W				White with orange bands.	Private aid.  45/04

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Denotes a new entry when preceding the station number.

## SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2004							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*6716.1	Buoy B	41 58 31 N 83 15 00 W				White with orange bands.	Private aid.  45/04
*6716.2	Buoy C	41 58 28 N 83 14 49 W				White with orange bands.	Private aid.  45/04
*6716.3	Buoy D	41 58 20 N 83 14 15 W				White with orange bands.	Private aid.  45/04
*6716.4	Buoy E	41 58 12 N 83 13 42 W				White with orange bands.	Private aid.  45/04
*6716.5	Buoy F	41 57 46 N 83 13 44 W				White with orange bands.	Private aid.  45/04
*6716.6	Buoy G	41 57 20 N 83 13 46 W				White with orange bands.	Private aid.  45/04
*6716.7	Buoy H	41 56 54 N 83 13 48 W				White with orange bands.	Private aid.  45/04
*6716.8	Buoy I	41 56 54 N 83 14 23 W				White with orange bands.	Private aid.  45/04
*6716.9	Buoy J	41 56 54 N 83 14 58 W				White with orange bands.	Private aid.  45/04
*6717	Buoy K	41 56 54 N 83 15 11 W				White with orange bands.	Private aid.  45/04
*8147	Mariner's Memorial Lighthouse Lighthouse		<b>F W</b>	43 13	10	Red and White.	Private aid.  45/04
*8201	Tri-Centennial State Park Entrance Light 1	42 19 56 N 83 01 32 W	<b>FI G 4s</b>		22	On single pile.	Private aid.  45/04
*8202	Tri-Centennial State Park Entrance Light 2	42 19 56 N 83 01 30 W	<b>FI R 4s</b>		22	On side of Lighthouse.	Private aid.  45/04
*14582	Munising City Pier Light	46 24 50 N 86 39 07 W	<b>FI R 3s</b>		14	On white post.	Private aid.  45/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO C. G. LIGHT LIST, VOLUME VII LIGHT LIST, 2004

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*15584	Cornucopia West Pier Entrance Buoy 2					Red nun.	Private aid.  45/04
21791	Cedar River Buoy 2A	45 24 20 N 87 20 59 W				Red.	Maintained from Apr. 14 to Nov. 7.  * 45/04
21792	Cedar River Buoy 2B	45 24 24 N 87 21 01 W				Red.	Maintained from Apr. 14 to Nov. 7.  * 45/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

CORRECTIONS TO PUB 110, LIST OF LIGHTS, 2004 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
16928 <i>J 6441</i>	Punta Aguide.	11° 20.7' N 68° 40.6' W	<b>L.FL.W.</b> period 15s fl. 2s, ec. 13s	164 50	12	White metal framework tower, orange bands; 39.	
			*		*		* 45/04
CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2004 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
24352 <i>F 1936.45</i>	-"5W".	5° 02.4' N 115° 05.6' E	<b>FL.G.</b> period 5s	30 9	6	Concrete pile structure, green square daymark.	<b>Radar reflector.</b>
		*					* 45/04
CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION							
(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
-Islas Cies:							
2916 <i>D 1882</i>	-Monte Agudo, on Isla Cies del Norte, E. side.	42° 14.6' N 8° 54.2' W	<b>FL.G.</b> period 5s fl. 0.5s, ec. 4.5s	82 25	10	Tower and white wall; 16.	Visible 146°30'-334°.
			*	*		*	* 45/04
2920 <i>D 1884</i>	-Monte Faro.	42° 12.8' N 8° 54.9' W	<b>Fl.(2)W.</b> period 8s fl. 1s, ec. 1s fl. 1s, ec. 5s	614 187	22	Tower and cabin; 33.	Obscured 315°-016°30' over Bajos de los Castros and Forcados.
				*		*	* 45/04
2924 <i>D 1886</i>	-Punta Canabal, Isla Faro, S. end.	42° 12.7' N 8° 54.8' W	<b>Fl.(3)W.</b> period 20s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 15.5s	213 65	10	White tower; 32.	
			*	*		*	* 45/04
2928 <i>D 1888</i>	-Cabo Vicos, Isla San Martin, SE. point, Ria de Vigo, S. entrance.	42° 11.5' N 8° 53.5' W	<b>Fl.(3)R.</b> period 9s	308 94	10	White tower; 23.	Visible 210°30'-108°.
				*			* 45/04
2932 <i>D 1889</i>	-Isla Boeiro.	42° 10.7' N 8° 54.6' W	<b>Fl.(2)R.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	75 23	5	White truncated tower; 20.	
			*	*			* 45/04
2936 <i>D 1891</i>	-Punta Lameda, S. entrance point of bay, E. side.	42° 09.3' N 8° 50.8' W	<b>Fl.(2)G.</b> period 8s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	95 29	5	White tower; 13.	
				*		*	* 45/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
Denotes a new entry when preceding the station number.

## SECTION II

### CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
2938 <i>D 1907</i>	-Las Serralleiras.	42° 08.8' N 8° 52.6' W	<b>FL.G.</b> period 4s fl. 0.4s, ec. 3.6s	36 11	5	White truncated conical tower; 20.	
				*	*		45/04
2940 <i>D 1890</i>	-Cabo Estay Range, front.	42° 11.1' N 8° 48.9' W	<b>Iso.W.</b> period 2s	59 18	18	Red truncated pyramidal tower, white bands; 26.	Visible 066°18'-072°18'. <b>Nauphone:</b> Mo.(V) ev. 60s (bl. 1.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 1.5s, si. 1.5s, bl. 9s, si. 42s).
	-RACON		<b>B(-...)</b>			*	* 45/04
2944 <i>D 1890.1</i>	-Rear, 660 meters 069°20' from front.	42° 11.2' N 8° 48.4' W	<b>Oc.W.</b> period 4s lt. 3s, ec. 1s	164 50	18	Red truncated pyramidal tower, white bands; 23.	Visible 066°18'-072°18'.  *
							45/04
2968 <i>D 1895.4</i>	-Inner mole, head.	42° 15.7' N 8° 46.9' W	<b>Fl.(2+1)R.</b> period 15s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s fl. 0.5s, ec. 7.5s	7 2	1	Red lantern.	
						*	45/04
3000 <i>D 1901</i>	-Muelle de Transveral.	42° 14.6' N 8° 42.9' W	<b>FL.G.</b> period 5s fl. 0.5s, ec. 4.5s	33 10	5	Green tower; 16.	<b>Radar reflector.</b>
					*		45/04

### CORRECTIONS TO PUB 114, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*8095 <i>A 1513</i>	La Foraine.	49° 42.9' N 1° 58.3' W	<b>V.Q.(9)W.</b> period 10s	39 12	6	W. CARDINAL YBY, beacon tower; 43.	45/04

### CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2004 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
12496 <i>C 3595</i>	Someri Poolsaar.	58° 21.0' N 23° 44.4' E	<b>FL.W.</b> period 6s fl. 0.6s, ec. 5.4s	76 23	9	White octagonal concrete tower; 69.	
	*				*	*	* 45/04
12878 <i>C 3841.6</i>	-Dolphin.	59° 29.7' N 24° 48.0' E	<b>Q.R.</b>	26 8	2	Red metal column; 10.	
		*	*			*	45/04

**Note:** Asterisks (\*) indicate that column(s) in which a correction has been made or new information added.  
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## SECTION II

NM 45/04

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 45/04

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.	NGA Reference No.	Ed.	Notice to Mariners No.
<b>NGA HYDRO CATALOG C ATP2V0IU</b>			CDPUBSD140	2003	25/04*			
Region 1	2002	1* 2,3,4,7,8,9,10,11, 14,15,17,19,20,21, 22,23,24,25,26,27, 28,29,30,31,32,35, 36,37,38,39,40,41, 42,43,44,45,46,47, 48,50,51,52/03;1,2, 3,5,6,8,9,10,11,12, 13,14,15,16,17,18, 19,20,21,22,23,24, 25,26,28,29,30,31, 32,33,34,36,37,38, 39,40,41,42,43,44, 45/04	CDPUBSD141	2004	36/04*	<b>USCG LIGHT LIST VOLUMES I - VII</b>		
			CDPUBSD142	2004	24/04*	COMDTM165021	2004	22*,23,24,25,27,28, 29,30,31,32,33,34, 35,36,38,39,40,41, 42,43,44,45/04
			CDPUBSD143	2003	46/03*	COMDTM165022	2004	23*,24,25,26,27,28, 29,30,31,33,34,36, 37,38,39,40,41,42, 43,44,45/04
			CDPUBSD145	2003	51/03*	COMDTM165023	2004	23*,24,25,26,27,28, 29,30,31,32,33,34, 35,36,37,38,39,40, 42,43,44,45/04
			CDPUBSD146	2002	4/03*	COMDTM165024	2004	23*,24,25,26,27,28, 29,30,31,32,33,34, 35,36,37,38,39,40, 41,43,44,45/04
			CDPUBSD147	2004	38/04*	COMDTM165025	2004	22/04*
			CDPUBSD153	2003	26/04*	COMDTM165026	2004	22*,23,24,25,26,27, 28,29,30,31,32,33, 34,35,36,37,38,39, 40,41,42,43,44, 45/04
			CDPUBSD155	2004	29/04*	COMDTM165027	2004	22*,23,24,25,26,28, 29,30,32,34,36,37, 38,39,40,41,42,43, 45/04
			CDPUBSD157	2004	29/04*	<b>FLEET GUIDES</b>		
			CDPUBSD158	2003	24/03*	CDPUBFGPAC	2004	N17/04*
			CDPUBSD160	2004	25/04*	FGPUB940ATL	2001	N47/01*
			CDPUBSD164	2004	36/04*	<b>NOS MISCELLANEOUS PUBLICATIONS</b>		
			CDPUBSD171	2004	37/04*	NOSPBCATALOG2	2000	34/00*
			CDPUBSD172	2004	37/04*	NOSPBCATALOG3	2000	28/00*
			CDPUBSD174	2004	26/04*	NOSPBCATALOG4	2000	34/00*
			CDPUBSD191	2004	29/04*	NOSPBCATALOGA	2003	19/04*
			CDPUBSD192	2004	36/04*	NOSPBCATALOGG	2003	19/04*
			CDPUBSD193	2004	27/04*	<b>ALMANACS</b>		
			CDPUBSD194	2004	28/04*	AIRALMANAC501	2005	34/04*
			SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12,14,17,20, 21,23,29,30,31,41, 42,44,45,52/03;5,9, 12,14,15,38,40/04	NAUTALMANAC05	2005	34/04*
Region 2	2002	1*,8,15,17,20,21,22, 23,24,26,28,30,32, 33,34,44,48,52/03;2, 3,5,7,10,11,14,15, 20,22,24,25,33,34, 39,40,41,43/04	SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02;24,25, 27,28,32,38,42/03	<b>COAST PILOT</b>		
Region 3	2002	1/03*;19,23,24,28, 31,32,33,34,36,37, 38,39,41,43/04	SDPUB126	2002	39*,41,42,43,44,45, 48/02;24,26,27,28, 30,32,41/03;12,16, 23,24,25,39,40,44, 45/04	NOSPBCP1	34	18*,21,24,33,34, 38/04
Region 4	2002	1* 23,43/03	SDPUB148	2001	48/01*;23,24/02;22, 42,43,45,48,50, 52/03;5,13,14,22,32, 33,40,41,43/04	NOSPBCP2	33	5*,6,9,20,25,26,27, 31,34,37,38,43/04
Region 5	2002	1* 3,5,8,22,27,30, 33,38,48/03;1,9,10, 14,20,37,40/04	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3,14,19, 23,30,41,42,47/03; 10,12,13,16,19,20, 28,30,31,33/04	NOSPBCP3	37	14*,18,21,25,28,33, 36,37,38,39/04
Region 6	2002	1* 10,11,13,16,19, 20,21,25,28,30,33, 38,50/03;11,37, 40/04	SDPUB159	2002	42*,48/02;10,13, 15/04	NOSPBCP4	36	43*,44/04
Region 7	2002	1* 11,15,28/03;31, 32/04	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03;10,14/04	NOSPBCP5	32	30*,31,33,34,37,38, 39,41/04
Region 8	2002	1* 14,37,41,46, 52/03;38/04	SDPUB162	2001	51/01*;5,12/03; 12/04	NOSPBCP6	34	13*,18,19,25,26,27, 31,34,36,37,38,39, 40,41/04
Region 9	2002	1* 34,40,43,45,48, 50,51,52/03;1,7,11, 14,15,21,39,45/04	SDPUB163	2002	18*,20,21,26,46, 51/02;13,24,26,27, 28,29,30,31,39,40, 41,43,47,48/03;12, 16,23,24,38,39,41, 43/04	NOSPBCP7	36	18*,19,20,21,23,24, 27,31,34,37,38,39, 40,43,44/04
Miscellaneous Charts and Publications	2002	1* 2,4,5,6,7,9,11,12, 13,15,17,18,19,20, 21,23,24,25,27,28, 29,30,31,32,33,34, 36,37,38,39,41,42, 43,45,46,47,48,49, 51,52/03;1,4,5,6,7,9, 10,11,13,14,16,17, 18,19,20,21,22,23, 24,25,26,27,28,29, 30,32,34,35,36,37, 38,39,41,43/04	SDPUB175	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02; 26,27,29,32,37,38, 43,47/03	NOSPBCP8	26	32*,34,38,39,40, 41/04
			SDPUB180	2002	32*,33,42,47,48, 50/02;6,13,14,17,21, 24,42,44,47,48,49, 51/03;19,21,28,35, 40,42/04	NOSPBCP9	22	38*,39,41,43/04
			SDPUB181	2002	38*,39/02	<b>RADIO NAVIGATIONAL AIDS</b>		
			SDPUB182	2001	8*,10,12,41/02; 17/03	RAPUB117	2002	50/02*;13/03
			SDPUB183	2001	27/01*;13,15,16/02; 18/03	<b>AMERICAN PRACTICAL NAVIGATOR</b>		
			SDPUB195	2002	33*,40,49,51,52/02; 1,2,3,15,16,21,32, 33,41,43,46,49/03;1, 12,23,33,36,40,44, 45/04	NVPUB9	2002	36/02*;14,38/03
			SDPUB200	2002	38*,39,42/02;22,27, 34,41,51,52/03; 27/04	<b>INTERNATIONAL CODE OF SIGNALS</b>		
						CDPUBNV102	2003	20/03*
						<b>WORLD PORT INDEX</b>		
						NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7,10, 15,20/03
<b>SAILING DIRECTIONS</b>			CDPUBSD124	2004	25/04*			
			CDPUBSD125	2004	27/04*			
			CDPUBSD127	2004	29/04*			
			CDPUBSD131	2002	9/03*			
			CDPUBSD132	2003	6/04*			

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS  
THROUGH NM 45/04**

Note: \* indicates New Edition/New Publication; \*\* indicates Publication Canceled; N indicates Not For Sale

NGA Reference No.	Ed.	Notice to Mariners No.
<b>DISTANCES BETWEEN PORTS</b>		
NVPUB151	2001	4/02*
<b>RADAR NAVIGATION AND MANEUVERING BOARD MANUAL</b>		
CDPUBBNV1310	2001	51/01*
<b>SIGHT REDUCTION TABLES (MARINE)</b>		
SRPUB229V1	1970	11/71*
SRPUB229V2	1970	11/71*
SRPUB229V3	1970	7/71*
SRPUB229V4	1970	3/71*
SRPUB229V5	1970	3/71*
SRPUB229V6	1970	23/70*
<b>SIGHT REDUCTION TABLES (AIR)</b>		
SRPUB249V1	2000	4/01*
SRPUB249V2	1952	46/52*
SRPUB249V3	1952	46/52*
<b>CHART NO. 1</b>		
WOBZC1	1997	18/98*
<b>CHART NO. 4</b>		
WOBZC4	1988	N23/91*
<b>ATLAS OF PILOT CHARTS</b>		
NVPUB106	2002	42/03*
NVPUB107	1998	30/99*
NVPUB109	2001	49/02*
<b>USCG NAVIGATION RULES</b>		
COMDTM166722D	1999	44/99*;52/00;16/04
<b>NOS TIDE TABLES</b>		
NOSPBTTCWPACIN4	2004	N1/04*
NOSPBTTECSTNSA4	2004	N1/04*
NOSPBTTEURAFR4	2004	N1/04*
NOSPBTTCSTNSA4	2004	N1/04*
<b>TIDAL CURRENT TABLES</b>		
NOSPBTCTATCSTN4	2004	N1/04*
NOSPBTCTPACAS4	2004	N1/04*

**BROADCAST WARNINGS**

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

**NAVAREA IV**

Messages in force 211200Z October 2004:

2003 series	128(26)	323(11)	333(GEN)	350(GEN)
108(26,27)	198(11)	328(GEN)	342(11)	351(GEN)
2004 series	243(GEN)	329(11,26)	346(11,26)	

The summary of all NAVAREA IV messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

**NAVAREA IV WARNINGS issued from 141100Z to 211200Z October 2004.**

345/04. CANCELED.

346/04(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
  - A. 0400Z TO 0359Z COMMENCING DAILY  
18 THRU 24 OCT IN AREA BOUND BY  
30-45N 080-54W, 30-45N 080-11W,  
30-36N 080-11W, 30-33N 080-55W.
  - B. 0400Z TO 0359Z COMMENCING DAILY  
18 THRU 24 OCT IN AREA BETWEEN  
29-20N 29-10N AND 079-50W 079-40W.
  - C. 1300Z TO 0359Z COMMENCING DAILY  
18 AND 21 OCT AND 0400Z TO 0700Z DAILY  
20 AND 22 OCT IN AREA BETWEEN  
30-00N 29-50N AND 081-00W 080-50W.
2. CANCEL THIS MSG 250459Z OCT.

(151135Z OCT 2004)

347/04 thru 349/04. CANCELED.

350/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 31 UNUSABLE 211515Z TO 220315Z OCT.
2. CANCEL THIS MSG 220415Z OCT.

(181330Z OCT 2004)

351/04(GEN).

1. NAVAREA IV MESSAGES IN FORCE 200800Z OCT 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 310(28), 323(11), 328(GEN), 329(11,26), 333(GEN), 342(11), 346(11,26), 350(GEN), 351(GEN).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 39/04.
3. CANCEL NAVAREA IV 344/04.

(201052Z OCT 2004)

## SECTION III

NM 45/04

## HYDROLANTS

Messages in force 211200Z October 2004:

2002 series	2416(54)	1104(37,43)	1504(37)	1624(37)	1683(56)
245(GEN)	2418(52)	1136(37,43)	1505(37)	1627(56)	1684(55)
246(GEN)	2419(54)	1162(36)	1510(54)	1642(24)	1686(53)
2003 series	2420(54)	1214(36)	1513(56)	1643(52)	1689(24)
604(26,27)	2004 series	1219(35)	1525(53,54)	1646(53)	1690(24)
1422(53)	224(24)	1235(37,51)	1556(54)	1651(37)	1693(52,53)
1472(35)	272(24)	1256(37)	1569(22)	1654(54)	1694(52,53)
2203(53)	631(37)	1279(36)	1581(24)	1659(57)	1695(25)
2406(54)	649(55)	1286(36)	1586(53)	1661(56)	1696(51)
2407(54)	650(55)	1382(43)	1591(54)	1665(52,53)	1697(GEN)
2408(54)	668(56)	1389(53)	1598(52,53)	1669(55)	1700(54)
2409(54)	850(24)	1404(52)	1600(38)	1670(55)	1701(57)
2410(54)	1019(24)	1430(51)	1607(53)	1673(37)	1702(56)
2413(54)	1033(37)	1454(35)	1613(57)	1677(23)	1703(55)
2414(54)	1084(53,56)	1474(36)	1618(52,53)	1682(GEN)	

The summary of all HYDROLANTS in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

**HYDROLANT WARNINGS issued from 141100Z to 211200Z October 2004.**

1667/04 and 1668/04. CANCELED.

1669/04(55). BLACK SEA. MISSILES.

- HAZARDOUS OPERATIONS 0200Z TO 1500Z DAILY  
19 THRU 23 OCT IN AREA BOUND BY  
45-05.5N 036-57.6E, 44-40.8N 037-11.4E,  
44-07.4N 037-11.4E, 44-05.3N 036-52.6E,  
44-07.4N 036-33.5E, 44-40.8N 036-33.8E,  
45-05.5N 036-47.4E.
- CANCEL THIS MSG 231600Z OCT.

(150915Z OCT 2004)

1670/04(55). BLACK SEA. GUNNERY.

- GUNNERY EXERCISES 1400Z TO 1630Z DAILY  
18 THRU 22 OCT IN AREA BOUND BY  
45-03.53N 036-22.50E, 44-52.10N 036-22.50E,  
44-49.60N 035-50.50E, 44-59.95N 035-50.50E.
- CANCEL THIS MSG 221730Z OCT.

(150943Z OCT 2004)

1671/04 and 1672/04. CANCELED.

1673/04(37). DOVER STRAIT.

- CHART 35000 (26TH ED).  
9.2 METER SHOAL IN 51-03.3N 001-53.0E.

(151111Z OCT 2004)

1674/04 thru 1676/04. CANCELED.

1677/04(23). URUGUAY. NAVTEX.

- NAVTEX STATION LA PALOMA OFF AIR.

(161444Z OCT 2004)

1678/04 thru 1681/04. CANCELED.

1682/04(GEN). GPS SATELLITE SYSTEM.

- PRN 31 UNUSABLE 211515Z TO 220315Z OCT.
- CANCEL THIS MSG 220415Z OCT.

(181335Z OCT 2004)

1683/04(56). EGYPT.

- SURVEY OPERATIONS IN PROGRESS UNTIL  
31 OCT BY M/V GEO ANGLER ALONG TRACKLINE  
BETWEEN 32-20N 028-40E AND 33-43N 030-50E.
- CANCEL THIS MSG 01 NOV.

(181416Z OCT 2004)

1684/04(55). BLACK SEA. MISSILES.

1. HAZARDOUS OPERATIONS 0600Z TO 1330Z DAILY 21 AND 22 OCT IN AREA BOUND BY 45-11.0N 033-11.0E, 45-02.1N 033-11.0E, 44-18.6N 031-33.3E, 44-52.0N 031-11.0E, 45-20.0N 032-35.0E.
2. CANCEL THIS MSG 221430Z OCT.

(181430Z OCT 2004)

1685/04. CANCELED.

1686/04(53). SICILIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0500Z TO 1800Z DAILY 18, 19, 21 AND 22 OCT IN AREA BETWEEN 37-15N 37-25N AND 015-25E 015-55E.
2. CANCEL THIS MSG 221900Z OCT.

(181724Z OCT 2004)

1687/04 and 1688/04. CANCELED.

1689/04(24). BRAZIL-EAST COAST.

1. OCEANOGRAPHIC OPERATIONS 19, 20, 22, 23 AND 24 OCT BY M/V OCEAN SURVEYOR TOWING 84 METER LONG CABLE IN AREA BOUND BY 11-08.50S 037-05.23W, 11-04.77S 036-59.48W, 11-08.45S 036-59.50W, 11-10.80S 037-05.22W. FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 25 OCT.

(190454Z OCT 2004)

1690/04(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 220259Z OCT BY M/V CGG ALIZE TOWING 8000 METER LONG CABLE IN AREA BOUND BY 04-13.5N 049-23.1W, 04-27.2N 049-11.5W, 04-16.4N 049-59.0W, 04-03.0N 049-10.3W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 220359Z OCT.

(190513Z OCT 2004)

1691/04 and 1692/04. CANCELED.

1693/04(52,53). STRAIT OF SICILIA. GUNNERY.

1. GUNNERY EXERCISES 190700Z TO 191400Z OCT, ALTERNATE 21 AND 22 OCT IN AREA BETWEEN 38-40N 38-25N AND 009-00E 009-25E.
2. CANCEL THIS MSG 221500Z OCT.

(191243Z OCT 2004)

1694/04(52,53). STRAIT OF SICILIA.

1. SUBMARINE CABLE OPERATIONS 20 THRU 26 OCT BY CABLESHIP CERTAMEN ALONG TRACKLINE BETWEEN 38-04.2N 008-47.5E AND 39-07.9N 009-33.7E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 27 OCT.

(191403Z OCT 2004)

1695/04(25). CARIBBEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 211400Z TO 211530Z OCT WITHIN 12 MILES OF 14-35N 061-47W.
2. CANCEL THIS MSG 211630Z OCT.

(191507Z OCT 2004)

1696/04(51). MOROCCO-WEST COAST.

- CHART 51220 (8TH ED).  
NAVIGATION PROHIBITED UNTIL FURTHER NOTICE IN AREA BOUND BY 33-33.27N 007-45.00W, 33-36.30N 007-45.00W, 33-40.08N 007-37.00W, 33-36.06N 007-37.00W.

(191656Z OCT 2004)

SECTION III

NM 45/04

1697/04(GEN).

1. HYDROLANT MESSAGES IN FORCE 200800Z OCT 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2004 SERIES: 1474(36), 1504(37), 1505(37), 1510(54), 1513(56), 1525(53,54), 1530(55), 1556(54), 1569(22), 1581(24), 1586(53), 1591(54), 1598(52,53), 1600(38), 1607(53), 1613(57), 1618(52,53), 1624(37), 1627(56), 1636(53), 1642(24), 1643(52), 1646(53), 1651(37), 1654(54), 1659(57), 1661(56), 1665(52,53), 1669(55), 1670(55), 1671(55), 1672(55), 1673(37), 1677(23), 1680(36,37), 1682(GEN), 1683(56), 1684(55), 1686(53), 1688(24), 1689(24), 1690(24), 1692(53), 1693(52,53), 1694(52,53), 1695(25), 1696(51), 1697(GEN).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 39/04.
3. CANCEL HYDROLANT 1450/04, 1561/04, 1660/04.

(201054Z OCT 2004)

1698/04 and 1699/04. CANCELED.

1700/04(54). EASTERN MEDITERRANEAN SEA.  
MAN OVERBOARD FROM M/V BRILLIANCE OF THE SEA  
VICINITY 36-58N 019-18E AT 210010Z OCT.  
VESSELS IN VICINITY REQUESTED TO KEEP A  
SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JRCC PIRAEUS, TELEX: 601 211588,  
PHONE: 30104112500, FAX: 30104132398.

(210110Z OCT 2004)

1701/04(57). GULF OF GUINEA.  
OCEANOGRAPHIC OPERATIONS IN PROGRESS UNTIL FURTHER  
NOTICE BY M/V SAIPEM 10000 IN 03-14.9N 005-26.5E.  
ONE MILE BERTH REQUESTED.

(210744Z OCT 2004)

1702/04(56). EASTERN MEDITERRANEAN SEA.  
CABLE REPAIR OPERATIONS 01 NOV UNTIL FURTHER  
NOTICE BY CABLESHIP RENE DESCARTES WITH  
SUBMERSIBLE IN AREA BOUND BY  
31-52.2N 029-55.2E, 31-26.5N 029-55.2E,  
31-13.4N 029-54.3E, 31-13.4N 029-55.2E,  
31-26.5N 029-57.1E, 31-52.2N 029-56.6E.  
ONE MILE BERTH REQUESTED.

(211144Z OCT 2004)

1703/04(55). BLACK SEA. MISSILES.  
1. HAZARDOUS OPERATIONS 0200Z TO 1500Z  
26 THRU 30 OCT IN AREA BOUND BY  
45-05.5N 036-57.6E,  
44-40.8N 037-11.4E,  
44-07.4N 037-11.4E,  
44-05.3N 036-52.6E,  
44-07.4N 036-33.5E,  
44-40.8N 036-33.8E,  
45-05.5N 036-47.4E.  
2. CANCEL THIS MSG 301600Z OCT.

(211149Z OCT 2004)

SECTION III

NM 45/04

NAVAREA XII

Messages in force 211200Z October 2004:

2004 series	253(19)	265(GEN)	267(GEN)
186(17)	258(19)	266(18)	

The summary of all NAVAREA XII messages in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

NAVAREA XII WARNINGS issued from 141100Z to 211200Z October 2004.

263/04 and 264/04. CANCELED.

265/04(GEN). GPS SATELLITE SYSTEM.

1. PRN 31 UNUSABLE 211515Z TO 220315Z OCT.
2. CANCEL THIS MSG 220415Z OCT.

(181339Z OCT 2004)

266/04(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE 1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY. THE SEA RANGE IS BOUND AS FOLLOWS:

- |                    |                                |
|--------------------|--------------------------------|
| A. 34-02N 119-04W. | M. THENCE THREE NAUTICAL MILES |
| FROM AND PARALLEL  |                                |
| B. 33-52N 119-06W. | TO THE SHORELINE.              |
| C. 33-29N 119-07W. | N. 34-24N 120-30W.             |
| D. 33-29N 118-37W. | O. 34-08N 120-26W.             |
| E. 33-20N 118-37W. | P. 34-08N 119-40W.             |
| F. 32-11N 120-16W. | Q. 34-00N 119-40W.             |
| G. 31-54N 121-35W. | R. 34-06N 119-13W.             |
| H. 35-09N 123-39W. | S. 34-06N 119-11W.             |
| I. 35-29N 123-00W. | T. 34-07N 119-10W.             |
| J. 35-04N 122-43W. | U. 34-07N 119-07W.             |
| K. 35-57N 121-32W. | V. 34-04N 119-04W.             |
| L. 34-59N 120-42W. |                                |

2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.
3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.
4. CANCEL NAVAREA XII 260/04.

(190736Z OCT 2004)

267/04(GEN).

1. NAVAREA XII MESSAGES IN FORCE 200800Z OCT 2004. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2004 SERIES: 253(19), 258(19), 265(GEN), 266(18), 267(GEN).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF 11 DEC 2003 IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 39/04.
3. CANCEL NAVAREA XII 262/04.

(201057Z OCT 2004)

## SECTION III

NM 45/04

## HYDROPACS

Messages in force 211200Z October 2004:

2001 series	795(62)	1123(63)	1409(63)	1548(71)	1628(76)
1976(62)	801(61)	1124(74)	1453(63)	1549(95)	1630(74)
2002 series	890(71)	1138(75)	1455(63)	1550(95)	1633(83)
205(GEN)	891(71)	1151(63)	1458(62)	1552(61)	1634(63)
206(GEN)	904(63)	1152(63)	1468(71)	1553(61)	1635(GEN)
2003 series	932(22)	1153(63,71)	1471(75)	1559(97)	1636(73,74)
207(62)	948(96)	1155(63)	1472(74)	1563(83)	1639(74)
506(62)	967(74)	1156(63)	1475(22)	1565(22)	1640(62)
993(62)	981(74)	1157(75)	1478(61)	1569(63)	1641(GEN)
1041(71)	988(63)	1215(63)	1490(63)	1575(93)	1642(63)
1330(62)	996(94,95)	1238(81,92)	1491(63)	1576(75)	1644(62)
1395(62)	1000(63)	1239(81,92)	1495(74)	1589(62)	1647(63)
1699(63)	1011(62)	1254(62)	1497(75)	1592(96)	1648(63)
1911(62)	1025(74)	1271(63)	1507(74)	1597(71)	1649(63)
1982(GEN)	1033(62)	1273(63)	1508(76)	1598(83)	1651(73,74)
2265(62)	1049(61)	1295(71)	1509(76)	1600(62)	1652(62)
2004 series	1050(74)	1305(63)	1525(22)	1601(95)	1653(81)
23(62)	1052(74)	1313(83)	1529(74)	1602(93)	1654(81)
278(63)	1066(62)	1324(73)	1533(71,93)	1603(83)	1655(GEN)
455(73)	1076(74)	1349(63)	1538(95)	1604(74)	1656(62)
694(62)	1081(74)	1363(96)	1539(35)	1606(81)	1657(63)
727(22)	1084(62)	1365(75)	1540(97)	1617(75)	1658(71)
754(62)	1092(63)	1390(63)	1541(95)	1618(63)	1660(63)
763(62)	1112(74)	1399(71)	1542(95)	1619(74,75)	1661(75)
778(75)	1115(63)	1400(74)	1547(74)	1621(62)	

The summary of all HYDROPACS in force as of 11 December 2003 is given in Section III of NM 52/03. Warnings issued during the subsequent quarters are issued in NM 13/04, 26/04 and 39/04.

**HYDROPAC WARNINGS issued from 141100Z to 211200Z October 2004.**

1618/04(63). INDIA-WEST COAST.  
CHART 63000 (13TH ED).  
RACON AT ALANG LIGHT 21-24.1N 072-11.1E INOPERATIVE. (141150Z OCT 2004)

1619/04(74,75). AUSTRALIA-SOUTHWEST COAST.  
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER  
NOTICE BY M/V PACIFIC SWORD IN AREA BETWEEN  
31-25S 35-00S AND 111-00E 115-40E.  
SIX MILE BERTH REQUESTED. (141354Z OCT 2004)

1620/04. CANCELED.

1621/04(62). EGYPT. GULF OF SUEZ  
CHART 62195 (6TH ED).  
RAS ZAFRANA LIGHT 29-06.7N 032-39.8E UNLIT. (151116Z OCT 2004)

1622/04 thru 1627/04. CANCELED.

1628/04(76). SOUTH PACIFIC.  
DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN 43-47S 173-39E  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO RCC NEW ZEALAND,  
PHONE: 64 4 914 8333 FAX: 64 4 914 8334. (152217Z OCT 2004)

1629/04. CANCELED.

1630/04(74). SOUTH ATLANTIC.  
SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY  
M/V PACIFIC TITAN TOWING TWO ONE MILE LONG CABLES IN  
AREA BETWEEN 28-30S 29-15S AND 114-00E 114-55E.  
THREE MILE BERTH REQUESTED. (160918Z OCT 2004)

1631/04 and 1632/04. CANCELED.

- 1633/04(83). SOUTH PACIFIC.  
 DISTRESS SIGNAL RECEIVED IN 07-43.7S 166-38.0W  
 AT 161435Z OCT. VESSELS IN VICINITY REQUESTED  
 TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO RCC NEW ZEALAND INMARSAT-C:4512 00067,  
 PHONE: 64 4914 8333, FAX: 64 4914 8334.  
 (161631Z OCT 2004)
- 1634/04(63). INDIA-WEST COAST.  
 MAN OVERBOARD FROM M/V PRABHU PARVATI IN  
 20-32N 069-50E. VESSELS IN VICINITY REQUESTED  
 TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
 REPORTS TO ANY COASTAL RADIO STATION.  
 (171048Z OCT 2004)
- 1635/04(GEN). NORTH PACIFIC.  
 1. LORAN-C CHAIN NORTHWEST PACIFIC,  
 RATE 8930-X, OFF AIR 0001Z TO 0800Z  
 DAILY 22 AND 23 OCT.  
 2. CANCEL THIS MSG 230900Z OCT.  
 (171311Z OCT 2004)
- 1636/04(73,74). TORRES STRAIT.  
 DISTRESS SIGNAL RECEIVED ON 121.5 MHZ IN  
 10-50S 142-12E AT 171423Z OCT. VESSELS IN  
 VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
 ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,  
 TELEX: 7162025, PHONE: 612 6230 6811,  
 FAX: 612 6230 6868.  
 (171500Z OCT 2004)
- 1637/04 and 1638/04. CANCELED.
- 1639/04(74). AUSTRALIA-NORTHWEST COAST.  
 1. DERELICT VESSEL, PARTIALLY SUBMERGED AND ADRIFT  
 IN 14-05S 122-35E AT 170340Z OCT.  
 2. CANCEL THIS MSG 24 OCT.  
 (180704Z OCT 2004)
- 1640/04(62). PERSIAN GULF.  
 CHART 62550 (3RD ED).  
 WELLHEAD ESTABLISHED IN 26-04.8N 051-34.3E.  
 (180735Z OCT 2004)
- 1641/04(GEN). GPS SATELLITE SYSTEM.  
 1. PRN 31 UNUSABLE 211515Z TO 220315Z OCT.  
 2. CANCEL THIS MSG 220415Z OCT.  
 (181341Z OCT 2004)
- 1642/04(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 210530Z TO 210730Z OCT  
 WITHIN 11 MILES OF 13-07.2N 080-18.7E  
 BETWEEN 045 DEGREES AND 075 DEGREES.  
 2. CANCEL THIS MSG 220830Z OCT.  
 (182011Z OCT 2004)
- 1643/04. CANCELED.
- 1644/04(62). GULF OF OMAN. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 21 THRU 24 OCT VICINITY  
 23-00N 059-35E.  
 2. CANCEL THIS MSG 25 OCT.  
 (190916Z OCT 2004)
- 1645/04 and 1646/04. CANCELED.
- 1647/04(63). INDIA-EAST COAST. GUNNERY.  
 1. GUNNERY EXERCISES 210230Z TO 210530Z AND  
 211230Z TO 211430Z OCT IN AREA BOUND  
 BY 17-42.2N 083-18.6E, 17-42.1N 083-29.9E,  
 17-36.7N 083-28.5E, 17-32.7N 083-24.3E.  
 2. CANCEL THIS MSG 211530Z OCT.  
 (191549Z OCT 2004)

## SECTION III

NM 45/04

- 1648/04(63). INDIA TO SRI LANKA.  
M/V SEA CONQUEST TOWING BARGE SEA PATRIOT,  
UNREPORTED MUMBAI TO COLOMBO. VESSELS IN VICINITY  
REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF  
POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.  
(191745Z OCT 2004)
- 1649/04(63). INDIA-WEST COAST. ROCKETS.  
1. HAZARDOUS OPERATIONS 1330Z TO 1700Z  
DAILY 20 AND 21 OCT IN AREAS:  
A. WITHIN FIVE MILES OF 08-31.9N 076-52.1E  
BETWEEN 190 DEGREES AND 300 DEGREES FROM COAST.  
B. WITHIN 75 MILES OF 08-31.9N 076-52.1E  
BETWEEN 220 DEGREES AND 260 DEGREES FROM COAST.  
2. CANCEL THIS MSG 211800Z OCT.  
(191831Z OCT 2004)
- 1650/04. CANCELED.
- 1651/04(73,74). AUSTRALIA-NORTHWEST COAST.  
1. PIPELAYING OPERATIONS IN PROGRESS UNTIL FURTHER  
NOTICE BY BARGE SEMAC 1 ALONG TRACKLINE BETWEEN  
11-40.0S 128-35.0E AND 11-54.3S 129-23.0E.  
2.5 MILE BERTH REQUESTED.  
2. CANCEL HYDROPAC 1501/04.  
(200444Z OCT 2004)
- 1652/04(62). PERSIAN GULF.  
CHART 62434 (9TH ED).  
SUBMERGED OBSTRUCTION VICINITY 29-43.3N 048-47.9E.  
(200630Z OCT 2004)
- 1653/04(81). NORTH PACIFIC.  
MAN OVERBOARD FROM F/V WEN FENG VICINITY 25-09N 158-13E  
AT 191300Z OCT. VESSELS IN VICINITY REQUESTED TO  
KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO JAPAN COAST GUARD.  
(200655Z OCT 2004)
- 1654/04(81). NORTH PACIFIC.  
DISTRESS SIGNAL RECEIVED ON 406 MHZ  
IN 08-04.1N 143-23.8E AT 200606Z OCT.  
VESSELS IN VICINITY REQUESTED TO KEEP  
A SHARP LOOKOUT, ASSIST IF POSSIBLE.  
REPORTS TO USCG GUAM.  
(200959Z OCT 2004)
- 1655/04(GEN).  
1. HYDROPAC MESSAGES IN FORCE 200800Z OCT 2004. ONLY THOSE  
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.  
2004 SERIES: 1453(63), 1455(63), 1458(62), 1468(71), 1471(75),  
1472(74), 1475(22), 1478(61), 1490(63), 1491(63), 1495(74),  
1497(75), 1507(74), 1508(76), 1509(76), 1522(62), 1525(22),  
1528(62), 1529(74), 1533(71,93), 1538(95), 1539(35),  
1540(97), 1541(95), 1542(95), 1547(74), 1548(71), 1549(95),  
1550(95), 1552(61), 1553(61), 1559(97), 1563(83), 1565(22),  
1569(63), 1575(93), 1576(75), 1592(96), 1597(71), 1598(83),  
1600(63), 1601(95), 1602(93), 1603(83), 1604(74), 1606(81),  
1607(63), 1616(63), 1617(75), 1618(63), 1619(74,75), 1621(62),  
1622(63), 1628(76), 1630(74), 1633(83), 1634(63), 1635(GEN),  
1636(73,74), 1639(74), 1640(62), 1641(GEN), 1642(63), 1644(62),  
1647(63), 1648(63), 1649(63), 1650(75), 1651(73,74), 1652(62),  
1653(81), 1654(81), 1655(GEN).  
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 11 DEC 2003  
IS GIVEN IN SEC III OF NM 52/03. WARNINGS ISSUED DURING THE  
SUBSEQUENT QUARTERS ARE SUMMARIZED IN NM 39/04.  
3. CANCEL HYDROPAC 1449/04, 1450/04, 1551/04, 1615/04.  
(201100Z OCT 2004)
- 1656/04(62). PERSIAN GULF.  
CHART 62434 (9TH ED).  
SUBMERGED WRECK VICINITY 29-48.5N 048-45.8E.  
(201215Z OCT 2004)
- 1657/04(63). INDIA-WEST COAST.  
MAN OVERBOARD FROM M/V NIPUNA VICINITY 15-03N 070-13E.  
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,  
ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.  
(201627Z OCT 2004)

1658/04(71). SOUTH CHINA SEA.  
 CHART 71430 (3RD ED).  
 UNCHARTED REEF, LEAST DEPTH 13 METERS,  
 REPORTED IN 00-56.40N 106-48.18E. (210329Z OCT 2004)

1659/04. CANCELED.

1660/04(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.  
 1. HAZARDOUS OPERATIONS 0330Z TO 1530Z  
 26 AND 29 OCT IN AREA BOUND BY  
 09-57.6N 075-59.5E, 09-57.7N 076-14.2E,  
 09-40.0N 076-14.5E, 09-42.5N 076-09.5E.  
 2. CANCEL THIS MSG 291630Z OCT. (211042Z OCT 2004)

1661/04(75). AUSTRALIA-SOUTHEAST COAST.  
 CHART 75035 (18TH ED).  
 PERPENDICULAR POINT LIGHT 35-05.0S 150-48.2E UNLIT. (211051Z OCT 2004)

**MARAD ADVISORIES**

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)), by referring to Section I (paragraph 50) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 21 October 2004: 00-7, 01-7, 02-2, 02-5, 02-7 and 03-4.

**SPECIAL WARNINGS**

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NGA Maritime Safety Information website ([http://164.214.12.145/warn/warn\\_j\\_query.html](http://164.214.12.145/warn/warn_j_query.html)) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/04 for those in-force as of 18 December 2003.

SPECIAL WARNINGS in force 21 October 2004: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119, 120 and 121.

## MARINE INFORMATION

## UNITED STATES OF AMERICA NOTICE TO MARINERS CHANGE IN DISTRIBUTION

The National Geospatial-Intelligence Agency (NGA) is in the midst of a hard copy to digital transition program. NGA has statutory requirements to produce and make available safety of navigation data and will continue to meet this obligation to the mariner. The weekly Notice to Mariners is available free of charge to all customers through the Internet on our website. Beginning with Notice to Mariners No. 1, 2005 NGA will no longer print and distribute hard copy versions of this weekly product.

The digital version of the weekly Notice to Mariners is available on the Maritime Safety Information website at <http://pollux.nss.nga.mil/> or through the NGA home page ([www.nga.mil](http://www.nga.mil)). All of the information and data contained in the hard copy Notice is also available on this website. Customers can rely on the same quality of data that the Notice to Mariners provides to the civil and military mariner with the advantages afforded by the Internet. Customers can access daily navigational safety updates and not be hampered by weekly mail deliveries of the hard copy Notice.

## NOAA CHART NEW EDITIONS AND THEIR AVAILABILITY

NOAA recognizes two paper nautical chart products:

- the Charts-on-Demand chart distributed by OceanGrafix ([www.OceanGrafix.com](http://www.OceanGrafix.com)), and
- the traditional NOAA/NOS paper chart distributed by the Federal Aviation Administration and the National Geospatial-Intelligence Agency (NGA).

The Charts-on-Demand chart is available the day after NOAA clears a New Edition for release. The traditional chart is available two to eight weeks later. Each is official, should be put into service immediately, and meets Federal chart carriage requirements immediately upon its release. For questions, contact NOAA at [help@nauticalcharts.gov](mailto:help@nauticalcharts.gov) or call 301-713-1773 x105. Dates of Latest Edition for both charts are listed at <http://nauticalcharts.noaa.gov>.

This week's new editions released by NOAA are listed below:

11324	34 <sup>th</sup> Ed. Oct 2004 NEW EDITION TX-GALVESTON BAY ENTRANCE-GALVESTON AND TEXAS CITY HARBORS (New edition due to numerous Notice to Mariners changes.)	NAD 83	(NOS Silver Spring, MD) 1:25,000
11361	72 <sup>nd</sup> Ed. Oct 2004 NEW EDITION LA-MISSISSIPPI RIVER DELTA INSETS: Head of Passes Southwest Pass South Pass (New edition due to numerous Notice to Mariners changes.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C 1:40,000 1:40,000 1:40,000
11371	37 <sup>th</sup> Ed. Oct 2004 NEW EDITION LA-LAKE BORGNE AND APPROACHES-CAT ISLAND TO POINT AUX HERBES (New edition due to numerous Notice to Mariners changes.)	NAD 83	(NOS Silver Spring, MD) 1:80,000/LORAN-C
12280	5 <sup>th</sup> Ed. Oct 2004 NEW EDITION MD-VA-CHESAPEAKE BAY (New edition due to numerous Notice to Mariners changes, new hydrography and various general changes.)	NAD 83	(NOS Silver Spring, MD) 1:200,000/LORAN-C
13275	29 <sup>th</sup> Ed. Oct 2004 NEW EDITION MA-SALEM AND LYNN HARORS INSET: Manchester Harbor (New edition due to various general changes and new hydrography.)	NAD 83	(NOS Silver Spring, MD) 1:25,000 1:10,000
16046	7 <sup>th</sup> Ed. Oct 2004 NEW EDITION AK-McCLURE AND STOCKTON ISLANDS AND VICINITY (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:50,204
16122	5 <sup>th</sup> Ed. Oct 2004 NEW EDITION AK-CAPE DYER TO CAPE LISBURNE (New edition due to change in format.)	NAD 83	(NOS Silver Spring, MD) 1:50,000

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|-------|--|--------|---|
| 16200 | 14 <sup>th</sup> Ed. Oct 2004 NEW EDITION<br>AK-NORTON SOUND TO BERING STRAIT<br>INSET: Golovnin Bay<br>(New edition due to change in format.) | NAD 83 | (NOS Silver Spring, MD)<br>1:400,000/LORAN-C<br>1:100,000 |
| 16518 | 6 <sup>th</sup> Ed. Oct 2004 NEW EDITION<br>AK-UNALASKA ISLAND-CAPE KOVRIZHKA TO CAPE CHEERFUL<br>(New edition due to change in format.)       | NAD 83 | (NOS Silver Spring, MD)<br>1:40,000                       |

## MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

**Observer:** name(s) of person(s) making observation and rank, rate or title.

**Ship/Organization:** name of vessel or organization.

**Address:** complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

**Date of Observation:** day, month and year at which the observation was made.

**Time of Observation:** local time at which the observation was made.

**Latitude/Longitude:** exact position of the observation expressed as accurately as possible.

**Datum:** horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

**Navigation System:** method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

**Verified by Navigator:** indicate whether observation was verified by navigator.

**Product(s) Affected:** product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

**Edition:** edition number and/or year of affected product.

**Latest correction applied:** the latest Notice to Mariners to which your copy of affected product has been corrected.

**Sounding sensor or method used:** equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

**Soundings corrected for draft:** indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

**Details of Information Reported:** use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NGA to update our records and obtain additional or later information.

**User Feedback:** use this space to provide feedback and suggestions for improving NGA products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

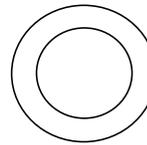
Due to the large volume of information received, NGA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of our Bathymetric Database. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).





**MARITIME SAFETY INFORMATION DIVISION  
ST D44  
NATIONAL GEOSPATIAL-INTELLIGENCE AGENCY  
4600 SANGAMORE ROAD  
BETHESDA MD 20816-5003**



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**ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET**

Observer \_\_\_\_\_

Ship/Organization \_\_\_\_\_

Phone \_\_\_\_\_ Email Address \_\_\_\_\_

Describe Hazard (e.g. dredge, buoy, current meter, operations): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Is hazard remotely monitored? Yes \_\_\_\_\_ No \_\_\_\_\_

If yes, list Internet URL where most recent position will be posted (if any): \_\_\_\_\_

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): \_\_\_\_\_

Date of Insertion \_\_\_\_\_ Latitude \_\_\_\_\_ Longitude \_\_\_\_\_

Date of Expected Removal \_\_\_\_\_

Most Recent Observation: Date \_\_\_\_\_ Time (Local) \_\_\_\_\_

Latitude \_\_\_\_\_ Longitude \_\_\_\_\_ Datum \_\_\_\_\_

Navigation System \_\_\_\_\_ Verified by Navigator: Yes \_\_\_\_\_ No \_\_\_\_\_

Sounding sensor or method used \_\_\_\_\_

Sounding(s) corrected for draft: Yes \_\_\_\_\_ No \_\_\_\_\_

Details of Information Reported (continue on additional sheets as necessary): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

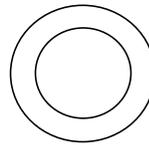
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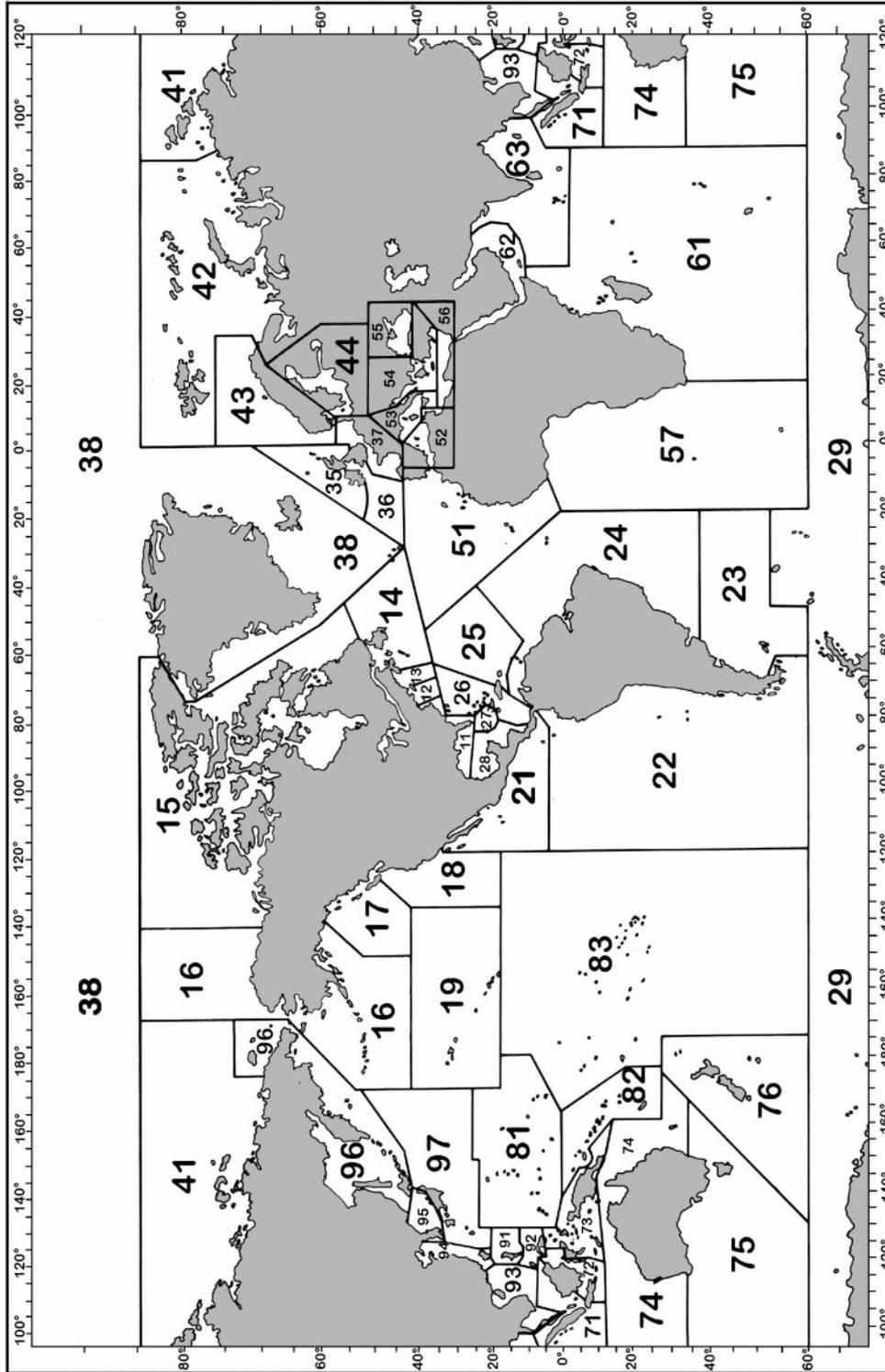
**MARITIME SAFETY INFORMATION DIVISION  
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# GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NGA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Subregion number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

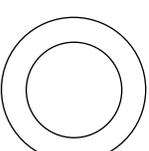
DEFENSE SUPPLY CENTER RICHMOND

ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY  
RICHMOND, VIRGINIA 23297-5338

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**NOTICE TO  
MARINERS**

**PLEASE EXPEDITE DELIVERY**